

Control Antibodies

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Abcam Control Antibodies
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產品資訊與最新優惠訊息，請洽
Abcam 台灣代理 — 伯森生技。

Loading Control Antibodies

Loading Control 抗體用來協助研究人員校正 Western Blotting 實驗中 Well 與 Well 之間、以及膠片與膠片之間，注入的蛋白質樣本量誤差。

選擇 Loading Control 抗體時，應選擇與實驗目標偵測蛋白分子量不同 (以避免偵測結果互相干擾)、且能在研究的細胞或組織樣本中連續且穩定表達的蛋白。請參照右表選擇，詳細產品資訊請洽 Abcam 台灣代理 — 伯森生技。

Whole Cell	Mitochondrial	Nuclear	Membrane	Cytoskeleton	Serum
Cofilin (19 kDa)	COX IV (17 kDa)	Histone H3 (15 kDa)	NaK ATPase (113 kDa)	Cofilin (19 kDa)	Transferrin (77 kDa)
Cyclophilin B (24 kDa)	VDAC1/Porin (31 kDa)	PCNA (29 kDa)		Actin (42 kDa)	
Cdk4 (34 kDa)	HSP60 (60 kDa)	TBP (38 kDa)		β-Actin (42 kDa)	
GAPDH (37 kDa)		YY1 (45 kDa)		α-Tubulin (50 kDa)	
Actin, β-Actin (42 kDa)		HDAC1 (55 kDa)		β-Tubulin	
ERK1 + ERK2 (42, 44 kDa)		Lamin B1 (66 kDa)			
β-Tubulin (49 kDa)					
α-Tubulin (50 kDa)					
Vinculin (124 kDa)					

 訂購資訊 ▶ Loading Control Antibodies (Actin - HDAC 1)

Target	Host	Reactivity			Conjugate	Cat. No.
		Hu	Ms	Rt		
Actin	Rb	•	•	•	-	ab1801
beta Actin	Gt	•	•	•	-	ab8229
	Ms	•	•	•	-	ab8224
	Ms	•	•	•	HRP	ab197277
	Ms	•	•	•	-	ab8226
	Ms	•	•	•	HRP	ab20272
	Ms	•	•		Alexa Fluor® 680	ab184092
	Ms	•	•		Alexa Fluor® 790	ab184576
	muscle Actin	Rb	•	•	•	HRP
alpha skeletal muscle Actin	Ms	•	•	•	-	ab88226
Cdk4	Rb	•			HRP	ab193968
Cofilin	Rb	•	•		-	ab42475
	Rb	•	•	•	-	ab124979
COX IV	Rb	•	•	•	-	ab16056
	Rb	•	•	•	-	ab202554
	Rb	•			Alexa Fluor® 405	ab210180
	Rb	•			Alexa Fluor® 488	ab185053

Target	Host	Reactivity			Conjugate	Cat. No.
		Hu	Ms	Rt		
COX IV	Rb	•			Alexa Fluor® 555	ab210675
	Rb	•			Alexa Fluor® 568	ab210848
	Rb	•			Alexa Fluor® 594	ab210674
	Rb	•			Alexa Fluor® 647	ab209612
Cyclophilin B	Rb	•	•	•	-	ab178397
	Rb	•			HRP	ab205875
ERK1 + ERK2	Rb	•	•	•	-	ab94484
GAPDH	Gt	•	•		-	ab9483
	Rb	•	•	•	-	ab9485
	Rb	•	•	•	HRP	ab9385
	Rb	•			HRP	ab185059
	Ms	•	•	•	-	ab9484
	Ms	•	•	•	HRP	ab9482
	Ms	•			Alexa Fluor® 680	ab184095
	Ms	•	•		Alexa Fluor® 790	ab184578
HDAC1	Rb				-	ab41407
	Ms	•			-	ab68436

● RabMAb®

Hu = Human, Gt = Goat, Ms = Mouse, Rb = Rabbit, Rt = Rat



 訂購資訊 > Loading Control Antibodies (Histone H3 - YY1)

Target	Host	Reactivity			Conjugate	Cat. No.
		Hu	Ms	Rt		
Histone H3	Rb	•	•		HRP	ab21054
	Rb	•	•	•	-	ab1791
	Rb	•	•	•	-	ab176842●
	Ms	•	•	•	-	ab24834
Hsp60	Rb	•		•	-	ab87085
	Rb	•	•	•	-	ab45134●
Lamin B1	Rb	•			HRP	ab194109●
PCNA	Ck	•			-	ab139696
Sodium Potassium ATPase (NaK ATPase)	Rb	•	•	•	-	ab76020●
	Rb	•			Biotin	ab198366●
	Rb	•	•	•	HRP	ab185065●
	Rb	•			Alexa Fluor® 405	ab210143●
	Rb	•			Phycoerythrin	ab209299●
TATA Binding Protein (TBP)	Rb	•	•	•	-	ab63766
	Ms	•	•	•	-	ab51841
Transferrin	Rb	•			-	ab88165
	Rb	•			-	ab109503●
	Rb	•			HRP	ab185070●
Tubulin (Saccharomyces cerevisiae)	Rb				-	ab185224
	Rb				-	ab184966

Target	Host	Reactivity			Conjugate	Cat. No.
		Hu	Ms	Rt		
alpha Tubulin	Rb	•	•	•	-	ab4074
	Rb	•	•	•	-	ab176560●
	Rb	•	•	•	HRP	ab185067●
	Ck	•	•	•	-	ab89984
	Ms	•	•	•	-	ab7291
	Ms	•	•	•	HRP	ab40742
	Ms	•	•		Alexa Fluor® 680	ab184093
	Ms	•	•		Alexa Fluor® 790	ab184577
beta Tubulin	Rb	•	•	•	-	ab6046
	Rb	•	•	•	HRP	ab21058
	Rb	•	•	•	HRP	ab185057●
VDAC1/Porin	Rb	•	•	•	-	ab15895
	Rb	•	•	•	-	ab154856●
	Rb	•	•	•	HRP	ab185063●
	Ms				-	ab110326
Vinculin	Rb	•			Alexa Fluor® 405	ab206907●
	Rb	•			Alexa Fluor® 555	ab206908●
	Rb	•			Phycoerythrin	ab211832●
YY1	Rb	•			-	ab43058
	Rb	•	•	•	-	ab109237●
	Rb	•			HRP	ab199998●

● RabMAb® Ck = Chicken, Hu = Human, Gt = Goat, Ms = Mouse, Rb = Rabbit, Rt = Rat

Isotype Control Antibodies

Isotype Control 抗體作為實驗的陰性對照組，應與實驗所使用的專一性一級抗體具有相同的抗體構造類型 (例如 IgG, IgG1, IgG2a, IgM 等)、並帶有相同標定分子 (例如 FITC, PE, APC 等)，但卻不具有任何抗原專一性，可協助研究人員排除由非專一性結合 (non-specific binding) 所導致的偽陽性實驗結果。

Abcam 提供多元豐富的 Isotype Control 抗體選擇，涵蓋 9 種物種、13 種抗體類型 (IgG, F(ab')2 IgG, IgG1, IgG2a, IgG2b, IgG3, IgM, IgA, IgY...)、以及超過 24 種以上的標定選擇 (Biotin, AP, HRP, Alexa Fluor®, APC, Cy5®, FITC, PE, PerCP...)。應用實驗範圍包含 Flow Cytometry, IHC, ICC/IF, ELISA, WB, IP 等。詳細產品請洽 Abcam 台灣代理 — 伯森生技。

 訂購資訊 > Isotype Control Antibodies (Mouse IgG - Mouse IgG1)

Host	Isotype	Conjugate	Azide Free		Application	Clonality	Cat. No.	
			Low Endotoxin	BSA Free				
Mouse	IgG	-			FCM ELISA IHC	Polyclonal	ab37355	
		AP			FCM ELISA	Polyclonal	ab37357	
		Biotin			FCM ELISA	Polyclonal	ab37358	
		APC			FCM ELISA	Polyclonal	ab37360	
		FITC			FCM ELISA	Polyclonal	ab37356	
		PE			FCM ELISA	Polyclonal	ab37359	
	IgG1	-			FCM	IHC WB	Monoclonal	ab81216
		APC			FCM		Monoclonal	ab91358
		FITC			FCM		Monoclonal	ab91356
		PE			FCM		Monoclonal	ab91357
		FITC			FCM		Monoclonal	ab1264

AP = Alkaline Phosphatase, APC = Allophycocyanin, Ck = Chicken, FCM = Flow Cytometry, Hu = Human, Gt = Goat, Ms = Mouse, PE = Phycoerythrin, Rb = Rabbit, Rt = Rat

 訂購資訊 > Isotype Control Antibodies (Mouse IgG1 - Mouse IgG2b, κ)

Host	Isotype	Conjugate	Azide Free		Application	Clonality	Cat. No.		
			Low Endotoxin	BSA Free					
Mouse	IgG1	FITC + PE			FCM		Monoclonal	ab1285	
		PE			FCM		Monoclonal	ab81200	
	IgG1, κ	APC		✓	FCM		Monoclonal	ab73711	
		-			FCM	IHC ICC/IF	Monoclonal	ab170190	
		-			FCM	IHC ICC/IF	Monoclonal	ab221848	
		Alexa Fluor® 594				ICC/IF	Monoclonal	ab178000	
		APC/Cy7®			FCM		Monoclonal	ab46739	
		Cy5®			FCM	ELISA	Monoclonal	ab154444	
		PE/Cy5®			FCM		Monoclonal	ab67435	
		PE/Cy5.5®			FCM	ELISA	Monoclonal	ab154453	
		PE/Cy7®			FCM	ELISA	Monoclonal	ab154457	
		PE-Texas Red®			FCM		Monoclonal	ab131392	
		-			FCM	IHC	Monoclonal	ab91353	
		CF405M			FCM		Monoclonal	ab126026	
		PerCP			FCM		Monoclonal	ab118658	
		-			FCM	IHC	WB	Monoclonal	ab18448
		-		✓	FCM	ELISA IHC	WB IP	Monoclonal	ab18447
		-			FCM	IHC	WB IP	Monoclonal	ab18443
		-	✓		FCM	IHC ICC/IF	WB IP	Monoclonal	ab18437
		Biotin			FCM			Monoclonal	ab18434
		FITC			FCM			Monoclonal	ab18435
		FITC			FCM	IHC	WB IP	Monoclonal	ab106163
	PerCP/Cy5.5®			FCM			Monoclonal	ab157226	
	-		✓	FCM	ELISA IHC ICC/IF	WB IP	Monoclonal	ab81032	
	-	✓		FCM			Monoclonal	ab185801	
	F(ab')2 IgG1, κ	-			FCM	ELISA	Monoclonal	ab37426	
		APC			FCM	ELISA	Monoclonal	ab37391	
		FITC			FCM	ELISA	Monoclonal	ab37393	
		PE			FCM	ELISA	Monoclonal	ab37392	
	IgG2a	APC			FCM		Monoclonal	ab91364	
		FITC			FCM		Monoclonal	ab1281	
		FITC			FCM		Monoclonal	ab81197	
		PerCP			FCM		Monoclonal	ab209397	
		FITC			FCM		Monoclonal	ab91362	
		PE			FCM		Monoclonal	ab91363	
	IgG2a, κ	-			FCM	ICC/IF	Monoclonal	ab170191	
		-		✓	FCM	ICC/IF	Monoclonal	ab221849	
		-			FCM		Monoclonal	ab91361	
		CF405M			FCM		Monoclonal	ab126036	
		OC515			FCM		Monoclonal	ab126028	
		-	✓		FCM		Monoclonal	ab185802	
		PE/Cy7®			FCM		Monoclonal	ab103534	
		-			FCM	IHC	WB IP	Monoclonal	ab18415
		-	✓		FCM	IHC	WB IP	Monoclonal	ab18414
		-			FCM	IHC	WB ChIP IP	Monoclonal	ab18413
		-	✓		FCM	IHC ICC/IF	WB IP	Monoclonal	ab18449
		Biotin			FCM			Monoclonal	ab18454
		FITC			FCM			Monoclonal	ab18455
		Alexa Fluor® 594				ICC/IF		Monoclonal	ab178001
	IgG2b	-			FCM		Monoclonal	ab91366	
		APC			FCM		Monoclonal	ab91534	
		FITC			FCM		Monoclonal	ab91368	
		PE			FCM		Monoclonal	ab91532	
	IgG2b, κ	-			FCM	ICC/IF	Monoclonal	ab170192	

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 訂購資訊 > Isotype Control Antibodies (Mouse IgG2b, κ - Rat IgG2b, κ)

Host	Isotype	Conjugate	Azide Free		Application	Clonality	Cat. No.					
			Low Endotoxin	BSA Free								
Mouse	IgG2b, κ	-		✓	FCM	ICC/IF	Monoclonal	ab221850				
		Alexa Fluor® 594				ICC/IF	Monoclonal	ab178002				
		Alexa Fluor® 647			FCM	ICC/IF	Monoclonal	ab176105				
		-	✓		FCM		Monoclonal	ab185803				
		-			FCM	IHC	WB	IP	Monoclonal	ab18421		
		-	✓		FCM	IHC	ICC/IF	WB	IP	Monoclonal	ab18428	
		FITC			FCM				Monoclonal	ab18427		
		-			FCM	IHC	WB	IP	Monoclonal	ab18469		
		-	✓		FCM	IHC	WB	IP	Monoclonal	ab18457		
		Biotin			FCM				Monoclonal	ab18418		
		FITC			FCM				Monoclonal	ab18419		
		PerCP			FCM				Monoclonal	ab172890		
		CF405M			FCM				Monoclonal	ab126033		
		OC515			FCM				Monoclonal	ab126035		
	IgG3	-				FCM		Monoclonal	ab91537			
		FITC				FCM		Monoclonal	ab91539			
	IgG3, κ	-				FCM	IHC	WB	IP	Monoclonal	ab18394	
		-	✓			FCM	IHC	ICC/IF	WB	IP	Monoclonal	ab18392
		Biotin				FCM				Monoclonal	ab18436	
		CF405M				FCM				Monoclonal	ab126029	
	IgM	-				FCM				Monoclonal	ab91545	
		FITC				FCM				Monoclonal	ab91546	
		Spectral Red				FCM				Monoclonal	ab151937	
	IgM, κ	-				FCM	IHC	WB	IP	Monoclonal	ab18401	
		-	✓			FCM	IHC	ICC/IF	WB	IP	Monoclonal	ab18400
	IgM, λ	Biotin				FCM	IHC	WB	IP	Monoclonal	ab18396	
		APC				FCM	ELISA			Monoclonal	ab154431	
		PE				FCM	ELISA			Monoclonal	ab154448	
	IgA, κ	-				FCM	ELISA			Monoclonal	ab37322	
		-	✓			FCM	ELISA			Monoclonal	ab37354	
		Biotin				FCM	ELISA			Monoclonal	ab37349	
		APC				FCM	ELISA			Monoclonal	ab37353	
		FITC				FCM	ELISA			Monoclonal	ab37347	
		PE				FCM	ELISA			Monoclonal	ab37350	
		APC/Cy5.5®				FCM	ELISA			Monoclonal	ab154437	
		APC/Cy7®				FCM	ELISA			Monoclonal	ab154441	
	IgE	-				ELISA			Monoclonal	ab37425		
	Rat	IgG	-			FCM	ELISA			Monoclonal	ab37361	
			-	✓		FCM	ELISA			Monoclonal	ab37371	
			Biotin			FCM	ELISA			Monoclonal	ab37366	
			APC			FCM	ELISA			Monoclonal	ab37370	
			FITC			FCM	ELISA			Monoclonal	ab37364	
			PE			FCM	ELISA			Monoclonal	ab37368	
			-	✓		FCM				Monoclonal	ab185798	
		IgG1, κ	-	✓			FCM				Monoclonal	ab18412
-			✓			FCM	IHC	WB	IP	Monoclonal	ab18407	
Biotin						FCM				Monoclonal	ab18403	
FITC						FCM				Monoclonal	ab18404	
IgG2a, κ		-	✓			FCM				Monoclonal	ab185799	
		-	✓			FCM	IHC	ICC/IF	WB	IP	Monoclonal	ab18450
		Biotin				FCM				Monoclonal	ab18445	
		FITC				FCM				Monoclonal	ab18446	
IgG2b, κ	-				FCM	IHC	ICC/IF	WB	IP	Monoclonal	ab18541	
	-		✓		FCM	IHC	WB	IP	Monoclonal	ab18536		

AP = Alkaline Phosphatase, APC = Allophycocyanin, Ck = Chicken, FCM = Flow Cytometry, Hu = Human, Gt = Goat, Ms = Mouse, PE = Phycoerythrin, Rb = Rabbit, Rt = Rat



訂購資訊 > Isotype Control Antibodies (Rat IgG2b, κ - Goat IgG)

Host	Isotype	Conjugate	Azide Free		Application	Clonality	Cat. No.		
			Low Endotoxin	BSA Free					
Rat	IgG2b, κ	Biotin			FCM		Monoclonal	ab18542	
		PE/Cy5®			FCM		Monoclonal	ab18538	
		Biotin			FCM	ELISA	Monoclonal	ab154443	
		APC			FCM	ELISA	Monoclonal	ab154434	
		Cy5®			FCM	ELISA	Monoclonal	ab136586	
		FITC			FCM		Monoclonal	ab128477	
		PE			FCM	ELISA	Monoclonal	ab136585	
		APC/Cy5.5®			FCM		Monoclonal	ab46789	
		APC/Cy7®			FCM		Monoclonal	ab46792	
		PE/Cy5.5®			FCM	ELISA	Monoclonal	ab154456	
		PE/Cy7®			FCM	ELISA	Monoclonal	ab154461	
		PE-Texas Red®			FCM	ELISA	Monoclonal	ab98984	
	IgG2c, κ	-	✓			FCM		Monoclonal	ab18703
		Biotin				FCM		Monoclonal	ab18543
		FITC				FCM	IHC WB IP	Monoclonal	ab114134
		APC				FCM	ELISA	Monoclonal	ab154435
		PE				FCM	ELISA	Monoclonal	ab154450
	IgM, κ	-	✓			FCM		Monoclonal	ab185800
		-				FCM	IHC ICC/IF WB IP	Monoclonal	ab35768
		Biotin				FCM	IHC WB IP	Monoclonal	ab35773
		FITC				FCM	IHC WB IP	Monoclonal	ab35774
	Rabbit	IgG	-			FCM	ELISA IHC ICC/IF ChIP	Polyclonal	ab37415
			-			FCM	WB ChIP	Polyclonal	ab171870
-			✓			FCM	ELISA	Polyclonal	ab176094
Biotin						FCM		Polyclonal	ab200208
HRP							IHC	Polyclonal	ab208280
FITC						FCM	ELISA	Polyclonal	ab37406
PE						FCM	ELISA	Polyclonal	ab37407
-						FCM	IHC ICC/IF ChIP IP	Monoclonal	ab172730
-			✓			FCM	IHC ICC/IF IP	Monoclonal	ab199376
HRP							IHC	Monoclonal	ab199507
Alexa Fluor® 405						FCM	ICC/IF	Monoclonal	ab208150
Alexa Fluor® 488						FCM	ICC/IF	Monoclonal	ab199091
Alexa Fluor® 555						FCM	ICC/IF	Monoclonal	ab208569
Alexa Fluor® 568						FCM		Monoclonal	ab209613
Alexa Fluor® 594						FCM	ICC/IF	Monoclonal	ab208568
Alexa Fluor® 647						FCM	ICC/IF	Monoclonal	ab199093
DyLight® 488						FCM	ICC/IF	Monoclonal	ab153686
FITC						FCM	ICC/IF	Monoclonal	ab223339
PerCP					FCM		Monoclonal	ab222107	
PE					FCM	ICC/IF	Monoclonal	ab209478	
-						IHC	Monoclonal	ab125938	
-						IHC	Monoclonal	ab128142	
F(ab')2 IgG		-				FCM	ELISA	Polyclonal	ab37416
		FITC				FCM	ELISA	Polyclonal	ab37408
		PE				FCM	ELISA	Polyclonal	ab37409
IgM		-				ELISA		Polyclonal	ab37424
		-				ELISA	IHC	Polyclonal	ab47922
Goat		IgG	-			FCM	ELISA ChIP	Polyclonal	ab37373
	-				FCM	ELISA	Polyclonal	ab224187	
	Agarose Beads						IP	Polyclonal	ab104155
	Biotin					FCM	ELISA	Polyclonal	ab37376
	APC					FCM	ELISA	Polyclonal	ab37379
	FITC					FCM	ELISA	Polyclonal	ab37374

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訂購資訊 > Isotype Control Antibodies (Goat IgG - Human IgA, λ)

Host	Isotype	Conjugate	Azide Free		Application	Clonality	Cat. No.	
			Low Endotoxin	BSA Free				
Goat	IgG	PE			FCM ELISA	Polyclonal	ab37377	
	IgG (Fc)	-			ELISA	Polyclonal	ab37388	
	F(ab') IgG	-			ELISA	Polyclonal	ab37386	
	F(ab') ₂ IgG	-				FCM ELISA	Polyclonal	ab37412
		Biotin				FCM ELISA	Polyclonal	ab37427
		APC				FCM ELISA	Polyclonal	ab37405
		FITC				FCM ELISA	Polyclonal	ab37394
		PE				FCM ELISA	Polyclonal	ab37399
Armenian Hamster	IgG	PE/Cy5 [®]			FCM	Polyclonal	ab157805	
		-	✓		FCM	ICC/IF	Monoclonal	ab185804
		PE			FCM		Monoclonal	ab101026
		-			FCM	IHC WB IP	Monoclonal	ab18479
		-	✓		FCM	IHC WB IP	Monoclonal	ab18474
		Biotin			FCM		Monoclonal	ab18472
		FITC			FCM		Monoclonal	ab18473
	IgM	-			FCM	IHC WB IP	Monoclonal	ab18483
		-	✓		FCM	IHC WB IP	Monoclonal	ab18482
		FITC			FCM		Monoclonal	ab18481
Syrian Hamster	IgG	-	✓		FCM	Polyclonal	ab185805	
		APC			FCM ELISA	Polyclonal	ab154432	
		Cy5 [®]			FCM ELISA	Polyclonal	ab154445	
		PE			FCM ELISA	Polyclonal	ab32662	
		APC/Cy5.5 [®]			FCM ELISA	Polyclonal	ab154439	
		-			FCM	IHC WB IP	Monoclonal	ab18426
		Biotin			FCM		Monoclonal	ab18486
		FITC			FCM		Monoclonal	ab18420
Chicken	IgY	-				WB	Polyclonal	ab50579
		-		✓	FCM		Polyclonal	ab37382
		HRP			ELISA		Polyclonal	ab37381
Sheep	IgG	-			FCM ELISA	Polyclonal	ab37385	
		PE			FCM ELISA	Polyclonal	ab37384	
Human	IgG	-			ELISA	Polyclonal	ab206195	
		AP			ELISA	Polyclonal	ab206196	
		HRP			ELISA	Polyclonal	ab206197	
	IgG (Fc)	-			ELISA	Polyclonal	ab206214	
		-	✓		ELISA	Polyclonal	ab206215	
	IgG1, κ	-			ELISA	Polyclonal	ab206198	
		-	✓		ELISA	Polyclonal	ab206202	
		AP			ELISA	Polyclonal	ab206199	
		HRP			ELISA	Polyclonal	ab206200	
		PE			ELISA	Polyclonal	ab206201	
		IgG1, λ	-			ELISA	Polyclonal	ab206203
			AP			ELISA	Polyclonal	ab206204
	HRP				ELISA	Polyclonal	ab206205	
	IgG3, λ	-			ELISA	Polyclonal	ab206206	
	IgM, λ	-			ELISA	Polyclonal	ab206213	
	IgA, κ	-			ELISA	Polyclonal	ab206207	
		AP			ELISA	Polyclonal	ab206208	
		HRP			ELISA	Polyclonal	ab206209	
	IgA, λ	-			ELISA	Polyclonal	ab206210	
		AP			ELISA	Polyclonal	ab206211	
		HRP			ELISA	Polyclonal	ab206212	

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