

For Research Use Only

CREB3 Monoclonal antibody

Catalog Number: 68379-1-Ig



Basic Information

Catalog Number: 68379-1-Ig	GenBank Accession Number: BC009402	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10488	CloneNo.: 1C12H11
Source: Mouse	UNIPROT ID: O43889	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: cAMP responsive element binding protein 3	
Immunogen Catalog Number: AG1823	Calculated MW: 44 kDa	
	Observed MW: 40-64 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human	WB : HEK-293 cells, T-47D cells, HCT 116 cells, hTERT-RPE1 cells IF/ICC : U2OS cells,

Background Information

CREB3, also named as LZIP and Luman, belongs to the bZIP family and ATF subfamily. It is a transcription factors activated upon intramembrane proteolysis (RIP), binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AG][AG]-3'), a sequence present in many viral and cellular promoters. CREB3 binds to and requires HCFC1 as a coactivator. The activity and expression are suppressed when the HCFC1-CREB3 complex binds with CREBZF. Participates in LKN-1/CCL15-induced chemotaxis signaling. CREB3 is N-glycosylated and released by proteolysis. So the MW of CREB3 emirate 40kd to 64kd (PMID: 12138176).

Storage

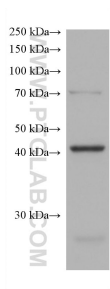
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

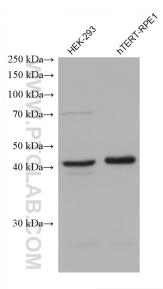
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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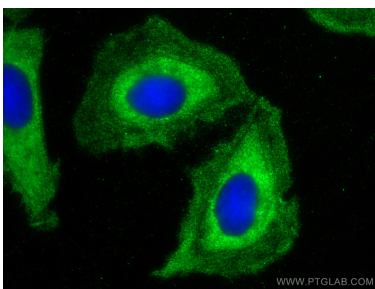
Selected Validation Data



HCT 116 cells were subjected to SDS PAGE followed by western blot with 68379-1-Ig (CREB3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68379-1-Ig (CREB3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed U2OS cells using CREB3 antibody (68379-1-Ig, Clone: 1C12H11) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).