

For Research Use Only

# CREB3 Polyclonal antibody

Catalog Number: 11275-1-AP

Featured Product

14 Publications



## Basic Information

<b>Catalog Number:</b> 11275-1-AP	<b>GenBank Accession Number:</b> BC009402	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 150 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 10488	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> cAMP responsive element binding protein 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 44 kDa	
<b>Immunogen Catalog Number:</b> AG1823	<b>Observed MW:</b> 40-64 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, HeLa cells
<b>Cited Applications:</b> ChIP, IF, IHC, IP, WB	<b>IF :</b> PC-3 cells,
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

## 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jenna Penney	30337854	Front Mol Neurosci	WB,IF,IP,ChIP
Ryoichi Murase	36152228	Mol Biol Rep	WB
Suhyun Kim	36057892	Cell Mol Life Sci	WB,IHC

## Storage

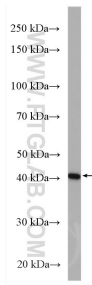
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

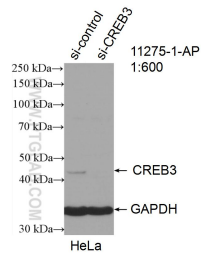
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

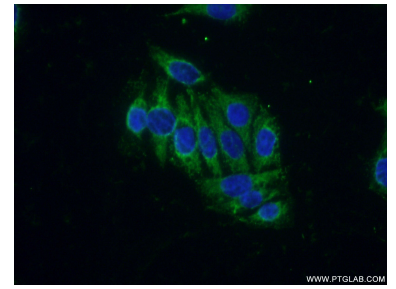
## Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 11275-1-AP (CREB3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



WB result of CREB3 antibody (11275-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-CREB3 transfected HeLa cells.



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using 11275-1-AP (CREB3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).