

For Research Use Only

ATF1 Monoclonal antibody

Catalog Number: 68813-4-Ig



Basic Information

Catalog Number: 68813-4-Ig	GenBank Accession Number: BC029619	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 466	CloneNo.: 3F3C12
Source: Mouse	UNIPROT ID: P18846	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:500-1:2000
Isotype: IgG1	Full Name: activating transcription factor 1	
Immunogen Catalog Number: AG34935	Calculated MW: 271 aa, 29 kDa	
	Observed MW: 35-40 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : A431 cells, HeLa cells, HT-1376 cells, K-562 cells, TF-1 cells, HSC-T6 cells, RAW 264.7 cells
	IF/ICC : U2OS cells,

Background Information

TFs play a vital role in maintaining cell homeostasis by combining DNA regulatory sequences to regulate gene transcription rates. Activating transcription factor 1 (ATF1) is a member of the ATF/CREB family of transcription factors (TFs), specifically interacting with the consensus ATF/CRE site 'TGACGTCA'(PMID: 28032861). ATF1 transcriptionally regulates the expressions of target genes to mediate various cellular processes, and ATF1 effects the progression of tumors (including lung cancer, colorectal cancer, and nasopharyngeal carcinoma).

Storage

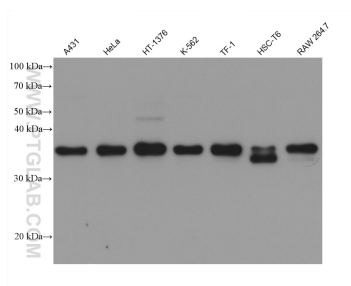
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

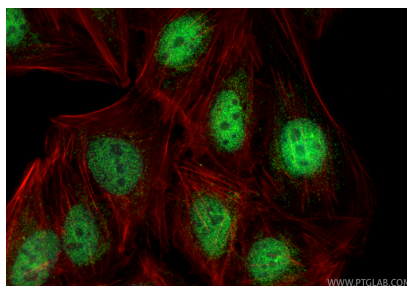
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68813-4-Ig (ATF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using ATF1 antibody (68813-4-Ig, Clone: 3F3C12) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).