

For Research Use Only

ATF1 Monoclonal antibody, PBS Only

Catalog Number: 68813-4-PBS



Basic Information

Catalog Number: 68813-4-PBS	GenBank Accession Number: BC029619	Purification Method: Protein G purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 466	CloneNo.: 3F3C12
Source: Mouse	UNIPROT ID: P18846	
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, Indirect ELISA

Species Specificity:
human, mouse, rat

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

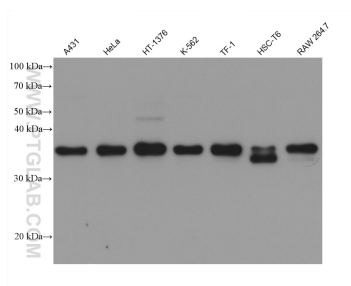
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

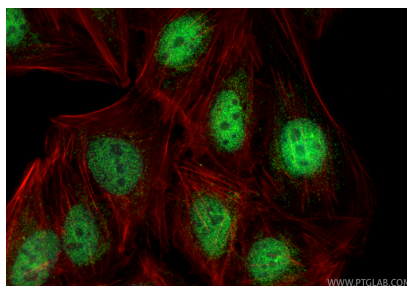
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech 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. This data was developed using the same antibody clone with 68813-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68813-4-PBS in a different storage buffer formulation.