

For Research Use Only

ATF1 Recombinant monoclonal antibody, PBS Only

Catalog Number:87421-1-PBS



Basic Information

Catalog Number: 87421-1-PBS	GenBank Accession Number: BC029619	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 466	CloneNo.: 252816B3
Isotype: IgG	UNIPROT ID: P18846	
Immunogen Catalog Number: AG2548	Full Name: activating transcription factor 1	
	Calculated MW: 271 aa, 29 kDa	
	Observed MW: 35-40 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

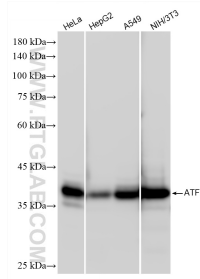
T: 4006900926

E: Proteintech-CN@ptglab.com

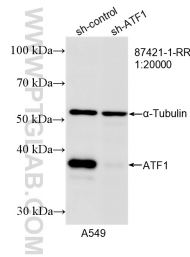
W: ptgcn.com

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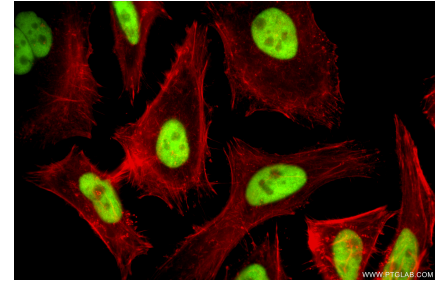
Selected Validation Data



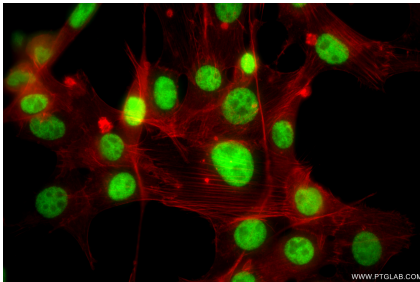
Various lysates were subjected to SDS PAGE followed by western blot with 87421-1-RR (ATF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87421-1-PBS in a different storage buffer formulation.



WB result of ATF1 antibody (87421-1-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATF1 transfected A549 cells. This data was developed using the same antibody clone with 87421-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using ATF1 antibody (87421-1-RR, Clone: 252816B3) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 87421-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using ATF1 antibody (87421-1-RR, Clone: 252816B3) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 87421-1-PBS in a different storage buffer formulation.