

For Research Use Only

ATF1 Recombinant monoclonal antibody

Catalog Number: 87421-1-RR



Basic Information

Catalog Number: 87421-1-RR	GenBank Accession Number: BC029619	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 466	CloneNo.: 252816B3
Isotype: IgG	UNIPROT ID: P18846	Recommended Dilutions: WB: 1:5000-1:50000 IF/ICC: 1:400-1:1600
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, ELISA	Positive Controls: WB : HeLa cells, A549 cells, HepG2 cells, NIH/3T3 cells IF/ICC : HeLa cells, NIH/3T3 cells
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 -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

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

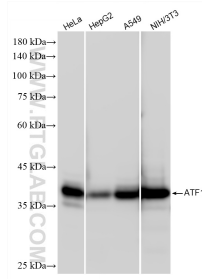
T: 4006900926

E: Proteintech-CN@ptglab.com

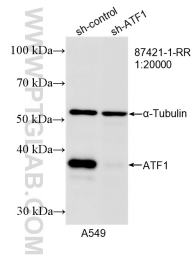
W: ptgcn.com

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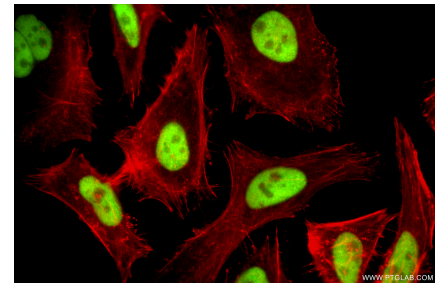
Selected Validation Data



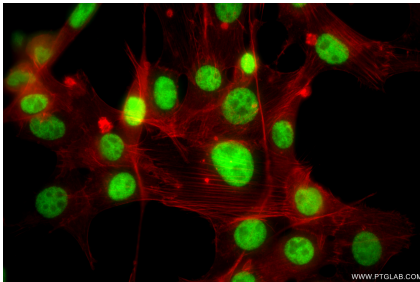
Various lysates were subjected to SDS PAGE followed by western blot with 87421-1-RR (ATF1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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.



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).



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).