

For Research Use Only

ATF1 Monoclonal antibody

Catalog Number: 68813-4-Ig



Basic Information

Catalog Number:

68813-4-Ig

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG34935

GenBank Accession Number:

BC029619

GeneID (NCBI):

466

UNIPROT ID:

P18846

Full Name:

activating transcription factor 1

Calculated MW:

271 aa, 29 kDa

Observed MW:

35-40 kDa

Purification Method:

Protein G purification

CloneNo.:

3F3C12

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:500-1:2000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

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

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

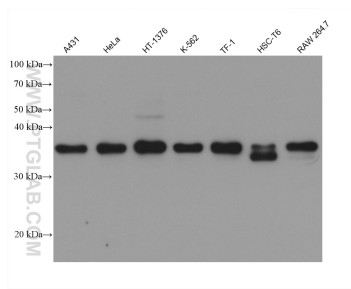
T: 4006900926

E: Proteintech-CN@ptglab.com

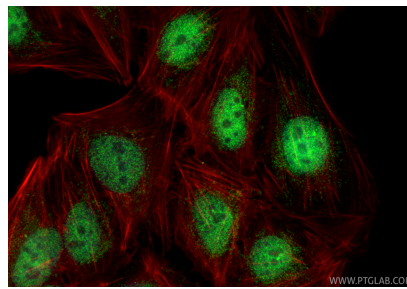
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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).