À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-ATF6

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Numéro de catalogue:24169-1-AP Phare 196 Publications

Informations de base

Numéro de catalogue:
24169-1-AP

Taille:
150ul , Concentration: 600 μg/ml by Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG21456

Numéro d'acquisition GenBank:
BC014969

Identification du gène (NCBI):
22926

Nom complet:
activating transcription factor 6

MW calculé
75 kDa

MW observés:
60 kDa, 90-100 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:2000-1:14000
IP 0.5-4.0 ug for IP and 1:500-1:3000 for WB
IHC 1:20-1:200
IF 1:10-1:100

Applications

Applications testées:
FC, IF, IHC, IP, WB, ELISA

Demandes citées:
IF, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, porc, poulet, rat, singe, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules HeLa, cellules HEK-293, cellules MCF-7

IP : cellules HeLa,

IHC : tissu de cancer du col de l'utérus humain, tissu de cancer du pancréas humain, tissu d'hyperplasie mammaire humain, tissu pancréatique humain

IF : cellules HeLa,

Informations générales

Activating transcription factor 6 (ATF6) is a transcription factor that acts during endoplasmic reticulum stress by activating unfolded protein response target genes. Binds DNA on the 5'-CCAC[GA]-3'half of the ER stress response element (ERSE) (5'-CCAAT-N(9)-CCAC[GA]-3') and of ERSE II (5'-ATTGG-N-CCACG-3'). Binding to ERSE requires binding of NF-Y to ERSE. Could also be involved in activation of transcription by the serum response factor.During unfolded protein response an approximative 50 kDa fragment containing the cytoplasmic transcription factor domain is released by proteolysis. The cleavage seems to be performed sequentially by site-1 and site-2 proteases. The fully glycosylated form of ATF6, a 670 amino acid protein, exhibits an electrophoretic mobility of ~90 kDa in denaturing SDS-gels, in part because of the glycosylated modifications. ATF6 has 3 consensus sites for N-linked glycosylation and exists constitutively as a glycosylated protein. Differentially glycosylated ATF6 forms may result from mutations or experimental treatment (PMID:15804611) (PMID:14699159). The antibody recognizes cleaved and fully glycosylated forms of ATF6.

Publications notables

Autrice	Pubmed ID	Journal	Application
Junxia Hu	31580970	Biomed Pharmacother	WB
Jing Sun	34650437	Front Pharmacol	WB
Yingchao Gong	34582847	Eur J Pharmacol	WB

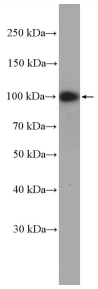
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

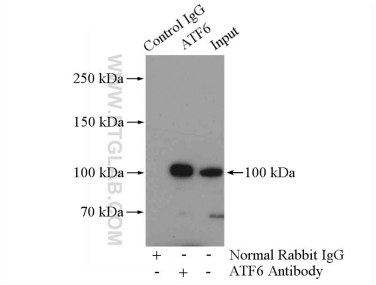
***** Les 20ul contiennent 0,1% de BSA.**

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

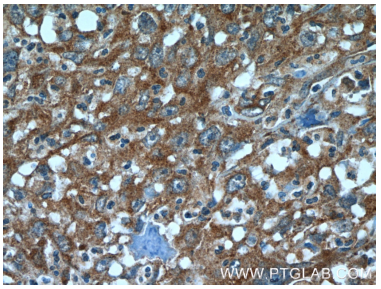
Données de validation sélectionnées



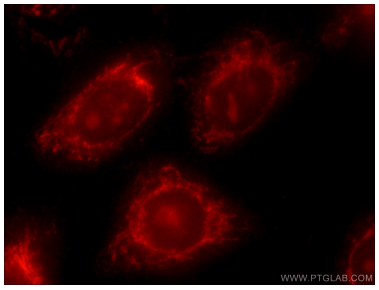
HeLa cells were subjected to SDS PAGE followed by western blot with 24169-1-AP (ATF6 Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



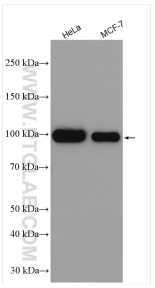
IP Result of anti-ATF6 (IP:24169-1-AP, 4ug; Detection:24169-1-AP 1:1500) with HeLa cells lysate 2800ug.



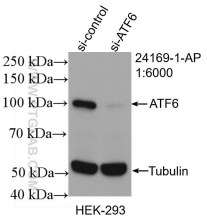
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 24169-1-AP (ATF6 Antibody) at dilution of 1:50 (under 40x lens).



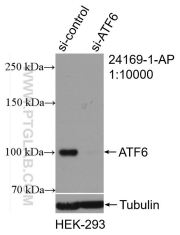
Immunofluorescent analysis of HeLa cells using 24169-1-AP (ATF6 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



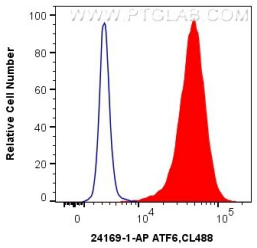
Various lysates were subjected to SDS PAGE followed by western blot with 24169-1-AP (ATF6 antibody) at dilution of 1:7000 incubated at room temperature for 1.5 hours.



WB result of ATF6 antibody (24169-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATF6 transfected HEK-293 cells.



WB result of ATF6 antibody (24169-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ATF6 transfected HEK-293 cells.



1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human ATF6 (24169-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Intracellular Staining Permeabilization Wash Buffer.