

ATF6 Rabbit pAb

Catalog No.: A0202 **10 Publications**

Basic Information

Catalog No.

A0202

Observed MW

100kDa

Calculated MW

74kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:100

Contact

 | www.abclonal.com

Background

This gene encodes a transcription factor that activates target genes for the unfolded protein response (UPR) during endoplasmic reticulum (ER) stress. Although it is a transcription factor, this protein is unusual in that it is synthesized as a transmembrane protein that is embedded in the ER. It functions as an ER stress sensor/transducer, and following ER stress-induced proteolysis, it functions as a nuclear transcription factor via a cis-acting ER stress response element (ERSE) that is present in the promoters of genes encoding ER chaperones. This protein has been identified as a survival factor for quiescent but not proliferative squamous carcinoma cells. There have been conflicting reports about the association of polymorphisms in this gene with diabetes in different populations, but another polymorphism has been associated with increased plasma cholesterol levels. This gene is also thought to be a potential therapeutic target for cystic fibrosis.

Immunogen Information

Gene ID	Swiss Prot
22926	P18850

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-190 of human ATF6 (NP_031374.2).

Synonyms

ATF6;ACHM7;ATF6A

Product Information

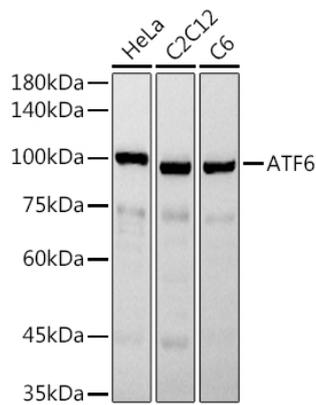
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

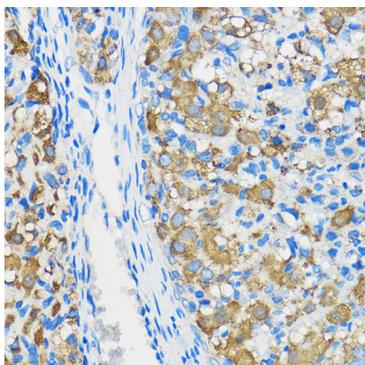
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

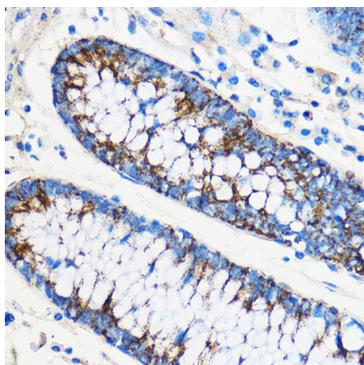
Validation Data



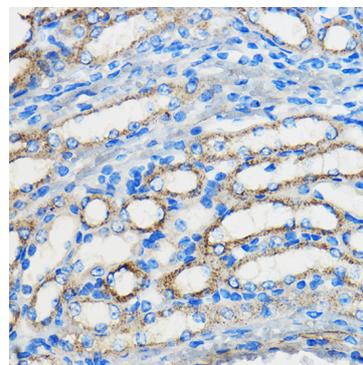
Western blot analysis of extracts of various cell lines, using ATF6 antibody (A0202) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



Immunohistochemistry of paraffin-embedded Rat ovary using ATF6 antibody (A0202) at dilution of 1:50 (40x lens).



Immunohistochemistry of paraffin-embedded Human colon using ATF6 antibody (A0202) at dilution of 1:50 (40x lens).



Immunohistochemistry of paraffin-embedded Mouse kidney using ATF6 antibody (A0202) at dilution of 1:50 (40x lens).