

Product Name: ATF6 Rabbit Monoclonal Antibody
Catalog #: AMRe02905



Summary

Production Name	ATF6 Rabbit Monoclonal Antibody
Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Immunogen

Gene Name	ATF6
Alternative Names	activating transcription factor 6; ATF6A
Gene ID	22926
SwissProt ID	P18850.

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:20-1:50
Molecular Weight	Calculated MW: 75 kDa; Observed MW: 90-100 kDa

Background

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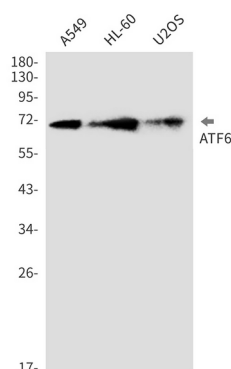


This gene encodes a transcription factor that activates target genes for the unfolded protein response (UPR) during endoplasmic reticulum (ER) stress. Although it is a transcription factor, this protein is unusual in that it is synthesized as a transmembrane protein that is embedded in the ER. It functions 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. [provided by RefSeq, Aug 2011]

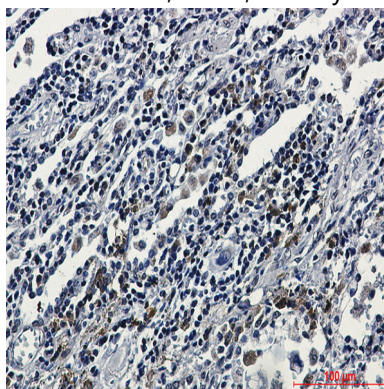
Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of ATF6 in A549, HL-60, U2OS lysates using ATF6 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using ATF6 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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Note

For research use only.