

Anti-ATF-6 Rabbit pAb



WL01153

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-ATF-6 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC	1:500
	IF	1:500
Cellular localization	Endoplasmic reticulum membrane and Nucleus	
Pack size	50/100/200/500/1000μl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml	
	BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background	ATF-6 is a member of transcription factors 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. ATF-6 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.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of ATF-6.
Purification	Polyclonal antibody was purified by protein A affinity chromatography.

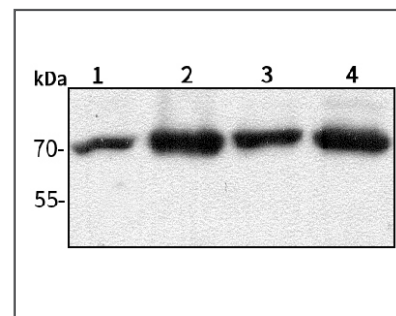
Anti-ATF-6 Rabbit pAb



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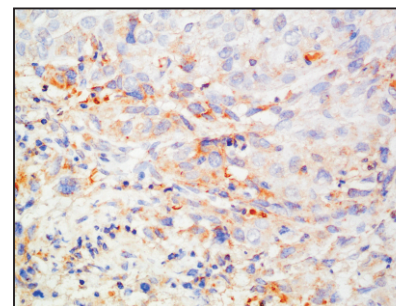
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Product Images



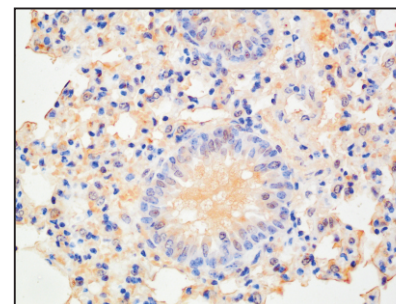
Western blot-Anti-ATF-6 pAb

Lane 1: Human HepG2 cell lysate
 Lane 2: Human Hela cell lysate
 Lane 3: Human BGC-823 cell lysate
 Lane 4: Human MGC-803 cell lysate
 All lanes: Anti-ATF-6 at 1:1000 dilution
 Lysates/proteins at 20-50 μg per lane.
 Predicted band size: 75 kDa
 Observed band size: 50-100 kDa



Immunohistochemistry-Anti-ATF-6 pAb

Immunohistochemical analysis of paraffin-embedded human esophagus cancer using anti-ATF-6 Rabbit Antibody at 1:500 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti-ATF-6 pAb

Immunohistochemical analysis of paraffin-embedded mouse lung using anti-ATF-6 Rabbit Antibody at 1:500 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

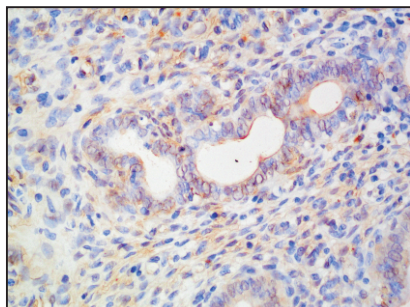
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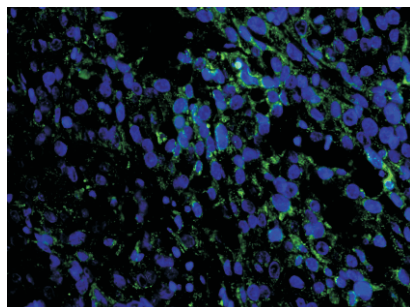
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Immunohistochemistry-Anti-ATF-6 pAb

Immunohistochemical analysis of paraffin-embedded rat uterus using anti-ATF-6 Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-ATF-6 pAb

Immunofluorescence analysis of paraffin-embedded human esophagus cancer using anti-ATF-6 Rabbit Antibody at 1:500 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0