

ATF6 Rabbit mAb

Catalog No: #52717

Package Size: #52717-1 50ul #52717-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

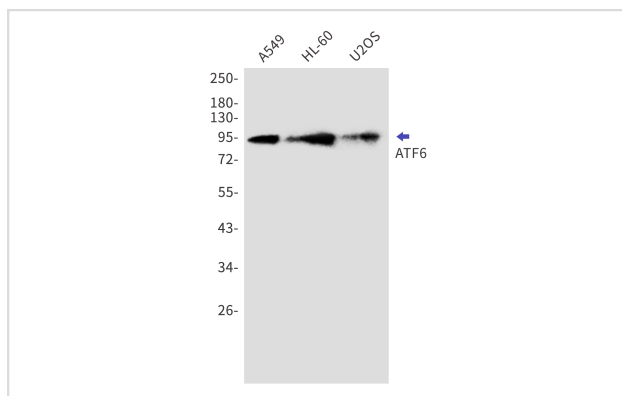
Description

| | |
|-----------------------|--|
| Product Name | ATF6 Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | S05-4E7 |
| Isotype | IgG |
| Purification | Affinity Purified |
| Applications | WB IHC |
| Species Reactivity | Human |
| Immunogen Description | Recombinant protein of human ATF6 |
| Conjugates | Unconjugated |
| Modification | Unmodification |
| Other Names | ACHM7; ATF6A |
| Accession No. | Swiss-Prot:P18850GenelD:22926 |
| Uniprot | P18850 |
| GenelD | 22926 |
| Calculated MW | Calculated MW:75 kDa,Observed MW:90-100 kDa |
| Concentration | 0.3 mg/ml |
| Formulation | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

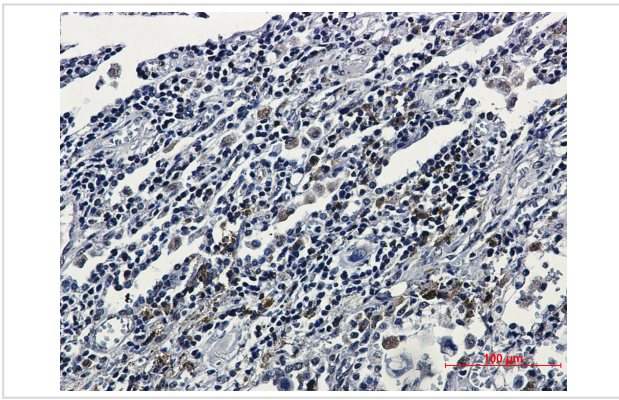
Application Details

WB: 1/1000 IHC: 1/100

Images



Western blot detection of ATF6 in A549,HL-60,U2OS cell lysates using ATF6 Rabbit mAb(1:1000 diluted).Predicted band size:75kDa.Observed band size:90-100kDa.



Immunohistochemical of ATF6 in Human lung cancer tissue using ATF6 antibody at dilution 1/20

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. [provided by RefSeq, Aug 2011]

Note: This product is for in vitro research use only