

ATF6 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS12264**Specification**

ATF6 Antibody (N-Terminus) - Product Information

Application	WB, IHC-P, ICC, E
Primary Accession	P18850
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A ICC~~N/A E~~N/A

ATF6 Antibody (N-Terminus) - Additional Information**Gene ID** 22926**Other Names**

Cyclic AMP-dependent transcription factor ATF-6 alpha, cAMP-dependent transcription factor ATF-6 alpha, Activating transcription factor 6 alpha, ATF6-alpha, Processed cyclic AMP-dependent transcription factor ATF-6 alpha, ATF6

Target/Specificity

17 amino acid peptide from near the amino terminus of human ATF6

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

ATF6 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ATF6 Antibody (N-Terminus) - Protein Information**Name** ATF6**Function**

[Cyclic AMP-dependent transcription factor ATF-6 alpha]: Precursor of the transcription factor form (Processed cyclic AMP- dependent transcription factor ATF-6 alpha), which is embedded in the endoplasmic reticulum membrane (PubMed:<[a href="http://www.uniprot.org/citations/10564271" target="_blank">10564271](http://www.uniprot.org/citations/10564271), PubMed:<[a href="http://www.uniprot.org/citations/11158310" target="_blank">11158310](http://www.uniprot.org/citations/11158310), PubMed:<[a href="http://www.uniprot.org/citations/11779464" target="_blank">11779464](http://www.uniprot.org/citations/11779464)). Endoplasmic reticulum stress promotes processing of this form, releasing the transcription factor form that translocates into the nucleus, where it activates

transcription of genes involved in the unfolded protein response (UPR) (PubMed:10564271, PubMed:11158310, PubMed:11779464).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein. Golgi apparatus membrane; Single-pass type II membrane protein. Note=Translocates from the endoplasmic reticulum to the Golgi, where it is processed.

Tissue Location

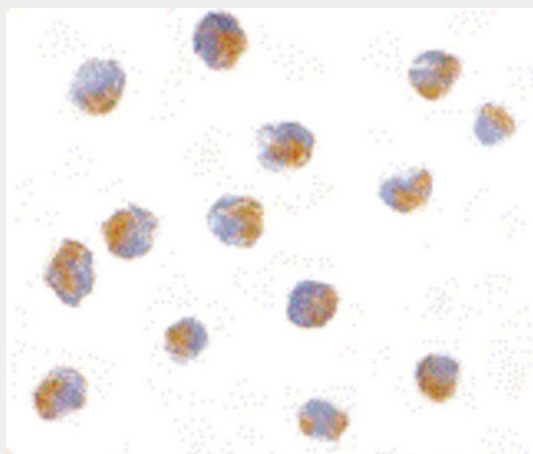
Ubiquitous..

ATF6 Antibody (N-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ATF6 Antibody (N-Terminus) - Images



Immunocytochemistry of ATF6 in A20 with ATF6 antibody at 10 ug/ml.

ATF6 Antibody (N-Terminus) - Background

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.

ATF6 Antibody (N-Terminus) - References

Zhu C.,et al.Mol. Cell. Biol. 17:4957-4966(1997).
Yoshida H.,et al.J. Biol. Chem. 273:33741-33749(1998).
Gregory S.G.,et al.Nature 441:315-321(2006).
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