

ATF6 antibody [37-1]

Cat. No. GTX00686

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, IP
Reactivity	Human, Mouse

References (1)

Package

100 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:1000
IP	Assay dependent

Not tested in other applications.

Calculated MW 75 kDa. ([Note](#))

Product Note

This antibody detects both full-length ATF6 alpha as well as the cleaved ATF6 alpha p50 form. This antibody is less efficient for IP compared to GTX00687

Properties

Form	Liquid
Buffer	Filter-sterilized PBS, 50% Glycerol
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant ATF6 alpha; (amino-terminal fragment of ATF6 alpha; fused to GST)
Purification	Purified IgG
Conjugation	Unconjugated

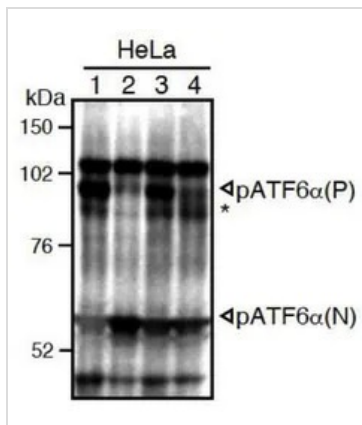
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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DATA IMAGES

GTX00686 WB Image

WB analysis of HeLa cell lysate using GTX00686 ATF6 antibody [37-1]. The asterisk denotes an unglycosylated form of pATF6α(P). ATF6α is constitutively expressed as pATF6α(P), and converted to pATF6α(N) (> 50-kDa protein) in ER-stressed cells.

pATF6α(P) : the endogenous precursor ATF6α (~90kDa)

pATF6α(N) : the cleaved product of ATF6α(>50kDa)

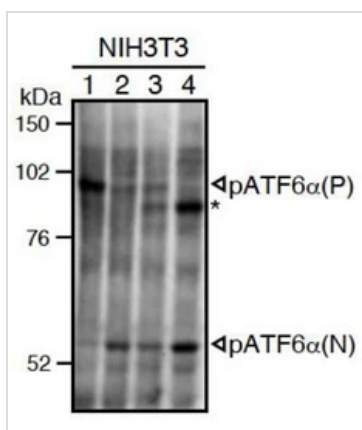
Lane 1 : untreated

Lane 2 : 1mM DTT (reducing reagent) for 1 h

Lane 3 : 2 µg/ml tunicamycin (inhibitor of N-glycosylation) for 3 h

Lane 4 : 2 µg/ml tunicamycin (inhibitor of N-glycosylation) for 7 h.

Loading : 50µg


GTX00686 WB Image

WB analysis of NIH-3T3 cell lysate using GTX00686 ATF6 antibody [37-1]. The asterisk denotes an unglycosylated form of pATF6α(P). ATF6α is constitutively expressed as pATF6α(P), and converted to pATF6α(N) (> 50-kDa protein) in ER-stressed cells.

pATF6α(P) : the endogenous precursor ATF6α (~90kDa)

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