

ATF6 monoclonal antibody

Catalog: MB9072

Host: Mouse

Reactivity: Human, Mouse, Rat

Background:

Transmembrane glycoprotein of the endoplasmic reticulum that functions as a transcription activator and initiates the unfolded protein response (UPR) during endoplasmic reticulum stress. Cleaved upon ER stress, the N-terminal processed cyclic AMP-dependent transcription factor ATF-6 alpha translocates to the nucleus where it activates transcription of genes involved in the UPR. Binds DNA on the 5'-CCAC[GA]-3' half of the ER stress response element (ERSE) (5'-CCAAT-N9-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. May play a role in foveal development and cone function in the retina.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

75 kDa

Swiss-Prot:

P18850(Human) F6VAN0(Mouse)

Purification&Purity:

ProG purified.

Applications:

WB:1:500-1:1,000

IHC:1:50-1:100

FC: 1:50-1:100

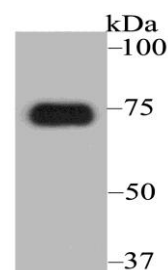
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

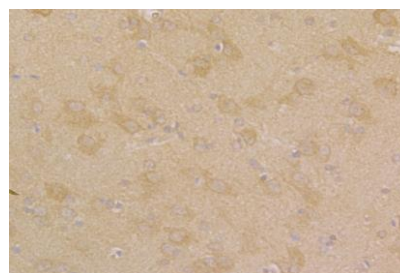
Specificity:

ATF6 monoclonal antibody detects endogenous levels of ATF6 protein.

DATA:



Western blot analysis of ATF6 on SiHa cell lysate using anti-ATF6 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-ATF6 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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