

Product Datasheet

Anti-ATF4 Antibody FL490 Conjugate



Overview

Catalog #	75-345-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	N360A/24
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human and Rat
Immunogen	Fusion protein amino acids 25-327 (nearly full-length, all but first 24 amino acids) of human ATF4 (accession number P18848) produced recombinantly in E. Coli
Molecular Weight	60 kDa
Cite this Antibody	Antibodies Inc Cat# 75-345-FL490, RRID: AB_2940172

Details

Target Description	Cyclic AMP-dependent transcription factor ATF-4, Cyclic AMP-Responsive Element-Binding Protein 2, CREB2 or ATF4 is encoded by the gene ATF4 and is a member of the basic leucine-zipper (bZIP) superfamily. ATF4 is a transcriptional activator believed to be involved in many cell processes. ATF4 is widely expressed in tissues. In brain, ATF4 has been shown to localize in hippocampal neuron dendritic membranes. Diseases associated with ATF4 include Deafness, Mehmo Syndrome and T-Cell Leukemia.
Specificity	Does not cross-react with ATF5
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

Note: For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.