

## Product Datasheet

## Anti-ATF4 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-345-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N360A/24
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Human and Rat
<b>Immunogen</b>	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
<b>Molecular Weight</b>	60 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-345-FL550, RRID: AB_2940173

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	Does not cross-react with ATF5
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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**

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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.

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