

## Product Datasheet

## Anti-TRIP8b (Exon 4) Antibody FL490 Conjugate

NeuroMab



KO Validated

## Overview

<b>Catalog #</b>	75-208-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N212/3
<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, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-192 (exon 1a, exon 4 and constant region) of rat TRIP8b (accession number Q925N3) produced recombinantly in E. Coli
<b>Molecular Weight</b>	70 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-208-FL490, RRID: AB_2939772

## Details

<b>Target Description</b>	PEX5-related protein, Peroxisomal Biogenesis Factor 5 Like, TPR-containing Rab8b-interacting protein or TRIP8b is encoded by the gene Pex5l. It is a member of the peroxisomal targeting signal receptor family. TRIP8b is a cytoplasmic accessory subunit of hyperpolarization-activated cyclic nucleotide-gated (HCN) channels. TRIP8b interacts with the carboxyl-terminal region of HCN channels and regulates their cell-surface expression to the dendrites in many types of neurons. TRIP8b plays a role in regulation of HCN channel cyclic nucleotide kinetics. TRIP8b is expressed in the brain. Diseases associated with PEX5L include Rhizomelic Chondrodysplasia Punctata, Type 5 and Rhizomelic Chondrodysplasia Punctata, Type 2.
<b>Specificity</b>	Specific for exon 4(does not react with TRIP8b isoforms containing exons 1a, 1b or 2)
<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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