

## Product Datasheet

## Anti-REEP1 Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-313-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N345/51
<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>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 111-201 (KDRSYDALVHFGKRGLNVAATAAVMAASKGQGALSERLRSFSMQDLTTIRGDGAPAPSGPPPGTGRSSGKHS QPKMSRSASESAGSSGTA, cytoplasmic C-terminus) of mouse REEP1 (accession number Q8BGH4) produced recombinantly in E. Coli
<b>Molecular Weight</b>	22 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-313-FL490, RRID: AB_2940092

## Details

<b>Target Description</b>	Receptor expression-enhancing protein 1, Receptor Accessory Protein 1 or REEP1 is encoded by the gene REEP1. The REEP protein family is made up of six REEP proteins 1-6. REEP1 is a mitochondrial protein that links ER tubules to the cytoskeleton and is involved in ER formation and remodeling. REEP1 is expressed in brain, spinal cord and testes. It is also expressed in olfactory sensory neurons and may play a role in the cell surface expression of odorant receptors. Diseases associated with this gene include Spastic Paraplegia distal hereditary motor neuropathy type V. Ref: Brain Res. 2014 January 30; 1545: 12–22. doi:10.1016/j.brainres.2013.12.008
<b>Specificity</b>	Does not cross-react with REEP2
<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.

**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**

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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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