

Product Datasheet

Anti-REEP1 Antibody FL550 Conjugate



Overview

Catalog #	75-313-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG2b
Clone Number	N345/51
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	Mouse and Rat
Immunogen	Fusion protein amino acids 111-201 (KDRSYDALVHFGKRGLNVAATAAVMAASKGQGALSERLRFSMQDLTTIRGDGAPAPSGPPPPGTGRSSGKHS QPKMSRSASESAGSSGTA, cytoplasmic C-terminus) of mouse REEP1 (accession number Q8BGH4) produced recombinantly in E. Coli
Molecular Weight	22 kDa
Cite this Antibody	Antibodies Inc Cat# 75-313-FL550, RRID: AB_2940093

Details

Target Description	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
Specificity	Does not cross-react with REEP2
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.

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