

Product Datasheet

Anti-Rem2 Antibody FL550 Conjugate



Overview

Catalog #	75-286-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N324/2
Size	200 μ L
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 1-341 (full-length) of rat Rem2 (accession number Q9WTY2)
Molecular Weight	45 kDa (and larger due to oligomerization)
Cite this Antibody	Antibodies Inc Cat# 75-286-FL550, RRID: AB_2940021

Details

Target Description	Rad And Gem-Like GTP-Binding Protein 2 or GTP-binding protein REM 2 is encoded by the gene Rem2 and is a member of the small GTPase superfamily and the Rad/Rem/Rem2/Gem/Kir (RGK) subfamily. REM2 binds GTP and plays roles in diverse processes including modulation of calcium channel currents, (Ref Zheng JQ et al. 2007), mediation of excitatory and inhibitory synapse development (Ref: Paradis et al. 2007). REM2 is expressed in brain and kidney. Diseases associated with this gene include Long Qt Syndrome.
Specificity	Does not cross-react with Rad, Gem or Rem1
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.

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