

## Product Datasheet

## Anti-Rem2 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-286-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N324/2
<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 1-341 (full-length) of rat Rem2 (accession number Q9WTY2)
<b>Molecular Weight</b>	45 kDa (and larger due to oligomerization)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-286-FL594, RRID: AB_2940022

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	Does not cross-react with Rad, Gem or Rem1
<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.
<b>Storage</b>	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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