

## Product Datasheet

## Anti-Gamma-Protocadherin-B2 Antibody FL490 Conjugate

NeuroMab



KO Validated

## Overview

<b>Catalog #</b>	75-184-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N148/30
<b>Size</b>	200 $\mu$ L
<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
<b>Species Reactivity</b>	Mouse
<b>Immunogen</b>	Fusion protein amino acids 719-804 (variable cytoplasmic domain) of mouse Gamma-protocadherin-B2 (accession number Q91XX7) produced recombinantly in E. Coli
<b>Molecular Weight</b>	100 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-184-FL490, RRID: AB_2939680

## Details

<b>Target Description</b>	Protocadherin Gamma Subfamily B, 2 is encoded by the gene PCDHGB2. PCDHGB2 is a member of the protocadherin gamma gene cluster. PCDHGB2 is a neural cadherin-like cell adhesion protein that most likely plays a critical role in the establishment and function of specific cell-cell connections in the brain. PCDHGB2 is expressed in the nervous system. Diseases associated with PCDHGB2 include Prune Belly Syndrome.
<b>Specificity</b>	No cross-reactivity against other Gamma-protocadherin-A, -B or -C proteins
<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 on cells overexpressing target protein and confirmed to give the expected staining pattern.
<b>Storage</b>	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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