

Product Datasheet

Anti-Pan-GRK FL490 Conjugate



Overview

Catalog #	75-179-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N145/20
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
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 381-590 (C-terminus) of mouse GRK5 (accession number Q8VEB1) produced recombinantly in E. Coli
Molecular Weight	70 kDa
Cite this Antibody	Antibodies Inc Cat# 75-179-FL490, RRID: AB_2939660

Details

Target Description	G protein-coupled receptor (GPCR) kinases (GRKs), are important regulators of GPCR function and mediate receptor desensitization, internalization, and signaling. Several non-GPCR proteins also serve as GRK substrates, and GRKs have been shown to have kinase-independent functions through regulation of receptors and effectors. These proteins are members of the G protein-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. GRKs phosphorylate activated forms of G protein-coupled receptors to regulate their signaling.
Specificity	Cross-reacts with GRK6
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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