

Product Datasheet

Anti-SAPAP1 Antibody FL550 Conjugate



Overview

Catalog #	75-468-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N238/30
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	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 772-992 (C-terminus) of rat SAPAP1 (accession number P97836) produced recombinantly in E. Coli
Molecular Weight	110 kDa (varies due to post-translational modifications)
Cite this Antibody	Antibodies Inc Cat# 75-468-FL550, RRID: AB_2940561

Details

Target Description	SAPAP1 (also known as disks large associated protein 1, DAP-1, or DLGAP1) is a member of the SAPAP or DLGAP family of proteins. SAPAP1 is part of the scaffold in neuronal cells of the brain and is a component of the postsynaptic complex. SAPAP1 acts as an adaptor protein that binds synaptic scaffold proteins, cytoskeletal proteins and signaling proteins including PSD-95 and SHANK. SAPAP1 is expressed in neurons of the cortex, hippocampus and in Purkinje cells in the cerebellum. Diseases associated with DLGAP1 include Retinitis Pigmentosa 55 and Obsessive-Compulsive Disorder
Specificity	No cross-reactivity reported
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 IHC on either rat or mouse brain and confirmed to give the expected staining pattern.

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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