

## Product Datasheet

## Anti-SAPAP1 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-466-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N238/29
<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
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 772-992 (C-terminus) of rat SAPAP1 (accession number P97836) produced recombinantly in E. Coli
<b>Molecular Weight</b>	110 kDa (varies due to post-translational modifications)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-466-FL550, RRID: AB_2940557

## Details

<b>Target Description</b>	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
<b>Specificity</b>	No cross-reactivity reported
<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.

**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.

**Our Guarantee**

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