

Product Datasheet

Anti-SCG10/Stathmin-2 Antibody FL490 Conjugate



Overview

Catalog #	75-063-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2b
Clone Number	L5/1
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	Synthetic peptide 155-179 C-terminus of rat SCG10 (ERLQEKERHAAEVRRNKELQVELSG; accession number P21818)
Molecular Weight	~20 kDa L5/1 does not work for immunoblotting
Cite this Antibody	Antibodies Inc Cat# 75-063-FL490, RRID: AB_2939264

Details

Target Description	Stathmin 2, Superior Cervical Ganglia, Neural Specific 10 (SCG10) is encoded by the gene STMN2 and is a member of the stathmin family of phosphoproteins. Stathmin 2 is involved in regulation of microtubule dynamics and signal transduction. In this manner, Stathmin 2 plays a regulatory role in neuronal growth. Stathmin 2 is expressed in brain in neurons and present in growth cones developing neurons. Diseases associated with STMN2 include down syndrome and Creutzfeldt-jakob disease.
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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