

## Product Datasheet

## Anti-SCG10/Stathmin-2 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-063-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	L5/1
<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, IHC
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Synthetic peptide 155-179 C-terminus of rat SCG10 (ERLQEKERHAAEVRRNKELQVELSG; accession number P21818)
<b>Molecular Weight</b>	~20 kDa L5/1 does not work for immunoblotting
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-063-FL550, RRID: AB_2939265

## Details

<b>Target Description</b>	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.
<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 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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