

Datasheet for ABIN916079

**anti-Sortilin 1 antibody (AA 731-831) (Cy3)**[Go to Product page](#)**1** Publication

## Overview

Quantity:	100 µL
Target:	Sortilin 1 (SORT1)
Binding Specificity:	AA 731-831
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Sortilin 1 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Sortilin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Guinea Pig
Purification:	Purified by Protein A.

## Target Details

Target:	Sortilin 1 (SORT1)
Alternative Name:	Sortilin ( <a href="#">SORT1 Products</a> )

## Target Details

Background:	<p>Synonyms: SORT1, 100 kDa NT receptor, Glycoprotein 95 Short name: Gp95, Neurotensin receptor 3 Short name: NT3 Short name: NTR3, SORT_HUMAN</p> <p>Background: Functions as a sorting receptor in the Golgi compartment and as a clearance receptor on the cell surface. Required for protein transport from the Golgi apparatus to the lysosomes by a pathway that is independent of the mannose-6-phosphate receptor (M6PR). Also required for protein transport from the Golgi apparatus to the endosomes. Promotes neuronal apoptosis by mediating endocytosis of the proapoptotic precursor forms of BDNF (proBDNF) and NGFB (proNGFB). Also acts as a receptor for neurotensin. May promote mineralization of the extracellular matrix during osteogenic differentiation by scavenging extracellular LPL. Probably required in adipocytes for the formation of specialized storage vesicles containing the glucose transporter SLC2A4/GLUT4 (GLUT4 storage vesicles, or GSVs). These vesicles provide a stable pool of SLC2A4 and confer increased responsiveness to insulin. May also mediate transport from the endoplasmic reticulum to the Golgi.</p>
Gene ID:	6272
UniProt:	<a href="#">Q99523</a>
Pathways:	<a href="#">Neurotrophin Signaling Pathway</a>

## Application Details

Application Notes:	FCM 1:20-100 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

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Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

## Publications

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Product cited in: Paik, ONeil, Ng, Sun, Rubin: "Using intracellular markers to identify a novel set of surface markers for live cell purification from a heterogeneous hiPSC culture." in: **Scientific reports**, Vol. 8, Issue 1, pp. 804, (2018) ([PubMed](#)).