

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat Sortilin in Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 334708
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Sortilin Ser78-Asn755 Accession # Q99523
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Knockout Validated	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Sortilin, also known as neurotensin receptor 3, is a 100 kDa transmembrane receptor that is localized both in the endosomal compartment and on plasma membranes. It contains an extracellular/luminal Vps10p (vacuolar protein-sorting 10 protein) domain and is one of five known members of the mammalian Vps10p-D receptor family. A Sortilin propeptide, cleaved by a furin, blocks premature ligand binding to uncleaved Sortilin and functions as a chaperone to facilitate trafficking in the Golgi compartments. Sortilin binds multiple ligands and has diverse functions. Mature human Sortilin extracellular domain shares 92% and 91% amino acid sequence identity with that of mouse and rat Sortilin, respectively.

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