

DESCRIPTION

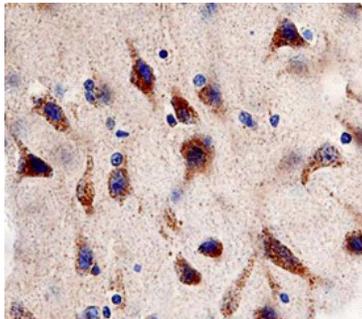
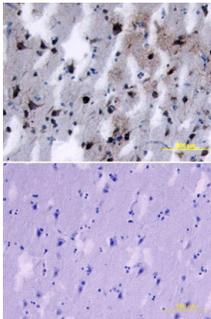
Species Reactivity	Human
Specificity	Detects human SorLA in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 525122
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human SorLA Ser82-Ser1550 Accession # Q92673
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Immunohistochemistry	8-25 µg/mL	See Below

DATA

<p>Immunohistochemistry</p>  <p>SorLA in Human Brain. SorLA was detected in immersion fixed paraffin-embedded sections of human brain (cortex) using Mouse Anti-Human SorLA Monoclonal Antibody (Catalog # MAB5699) at 25 µg/mL overnight at 4 °C. Before incubation with the primary antibody tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific labeling was localized to the cytoplasmic granules. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.</p>	<p>Immunohistochemistry</p>  <p>SorLA in Human Brain. SorLA was detected in immersion fixed paraffin-embedded sections of human brain (cortex) using Mouse Anti-Human SorLA Monoclonal Antibody (Catalog # MAB5699) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Lower panel shows a lack of labeling if primary antibodies are omitted and tissue is stained only with secondary antibody followed by incubation with detection reagents. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.</p>
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PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

SorLA (sortilin-related receptor, LDLR class A repeats-containing), also called LR11 or SORL1, is a 250 kDa type I transmembrane glycoprotein of the Sortilin family of Vps10p-domain receptors. SorLA is found in both intracellular and surface membranes in the central nervous system, and mediates trafficking of proteins such as the amyloid precursor protein (APP). The 2214 amino acid (aa) human SorLA includes a 28 aa signal sequence, a 53 aa furin-cleaved propeptide, and a 2056 aa extracellular domain. The region used as an immunogen, which includes BNR, LDLR class A and B, and EGF-like domains, but excludes fibronectin-like domains, shares 95% aa identity with mouse and rat SorLA.