

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse SorCS2 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human (rh) SorCS2 and less than 5% cross-reactivity with rhSorCS1 and recombinant mouse SorCS1 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse SorCS2 Ala118-Gly1078 Accession # Q9EPR5
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

Mouse SorCS2 is a 110-130 kDa member of the Vps10p (vacuolar protein sorting 10 protein)-D family of sorting receptors. It is synthesized as a 1159 amino acid (aa) preproprecursor that undergoes proteolytic processing to generate a 1042 aa mature type I transmembrane receptor. The extracellular domain shows an imperfect LRR and a Vps10p domain. SorCS2 is plasma membrane expressed and may undergo proteolytic cleavage. Over aa 118-1078, mouse SorCS2 is 88% and 98% aa identical to human and rat SorCS2, respectively.

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