

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse ISLR-2 in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant human ISLR-2 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse ISLR-2 Cys20-Leu590 Accession # Q5RKR3
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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.
Immunocytochemistry	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

ISLR2 (Ig-superfamily containing LRR protein 2; also SST273) is a 100-110 kDa member of the LRR family of proteins. It is expressed on developing motor, sensory and interneurons. Mouse ISLR2 is 745 amino acids (aa) in length. It is a type I transmembrane glycoprotein that contains a 571 aa extracellular domain (ECD) and a 132 aa cytoplasmic region. The ECD shows multiple LRRs (aa 21-231) and one Ig-like domain (aa 251-374). Mouse ISLR2 apparently has one alternate start site at Met130. Over aa 20-590, mouse ISLR2 is 89% and 98% aa identical to human and rat ISLR2, respectively.

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