Human ISLR-2 Alexa Fluor® 700-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4526N
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ISLR-2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 25% 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 human ISLR-2 Cys20-Leu590 Accession # Q6UXK2
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.

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

ISLR-2 (Ig-superfamily containing LRR protein 2; also KIAA1465) is a 100-110 kDa member of the LRR family of proteins. It is expressed on developing motor, sensory and interneurons. Mature human ISLR-2 is 727 amino acids (aa) in length. It is a type I transmembrane glycoprotein that contains a 571 aa extracellular domain (ECD) and a 135 aa cytoplasmic region. The ECD shows multiple LRRs (aa 50-227) and one Ig-like domain (aa 233-371). One alternate splice form may exist that shows a deletion of aa 160-570. Over aa 20-590, human ISLR-2 is 89% aa identical to both canine and mouse ISLR-2.

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