



Rabbit Anti-ISLR2 antibody

SL9025R

Product Name:	ISLR2
Chinese Name:	ISLR2蛋白抗体
Alias:	Immunoglobulin superfamily containing leucine-rich repeat protein 2; Leucine-rich repeat domain and immunoglobulin domain-containing axon extension protein; ISLR2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	77kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ISLR2:531-630/745<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic α / β horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif.

ISLR2 (immunoglobulin superfamily containing leucine-rich repeat 2), also known as LINX (leucine-rich repeat domain and immunoglobulin domain-containing axon extension protein), is a 745 amino acid single-pass membrane protein that contains five LRR repeats, one Ig-like (immunoglobulin-like) domain, a LRRCT domain and one LRRNT domain. ISLR2 exists as a homomultimer and is essential for axon extension during neural development. The gene encoding ISLR2 maps to human chromosome 15q24.1.

Function:

Required for axon extension during neural development (By similarity).

Subunit:

Homomultimer. Interacts with NTRK1/TrkA (By similarity).

Subcellular Location:

Cell membrane; Single-pass membrane protein (By similarity).

Similarity:

Contains 1 Ig-like (immunoglobulin-like) domain.

Contains 5 LRR (leucine-rich) repeats.

Contains 1 LRRCT domain.

Contains 1 LRRNT domain.

SWISS:

Q6UXK2

Gene ID:

57611

Database links:

[Entrez Gene: 57611](#) Human

[Entrez Gene: 320563](#) Mouse

[SwissProt: Q6UXK2](#) Human

[SwissProt: Q5RKR3](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.