

For Research Use Only

ISLR Recombinant antibody

Catalog Number:83782-5-RR



Basic Information

| | | |
|--|--|--|
| Catalog Number: 83782-5-RR | GenBank Accession Number: BC022478 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 ug/ml by Nanodrop; | GeneID (NCBI): 3671 | CloneNo.: 240727D4 |
| Source: Rabbit | UNIPROT ID: O14498 | Recommended Dilutions: WB 1:500-1:2000 IHC 1:500-1:2000 |
| Isotype: IgG | Full Name: immunoglobulin superfamily containing leucine-rich repeat | |
| Immunogen Catalog Number: AG19446 | Calculated MW: 428 aa, 46 kDa | |
| | Observed MW: 44-46 kDa | |

Applications

| | |
|--|---|
| Tested Applications: WB, IHC, ELISA | Positive Controls: WB : mouse retina tissue, NIH/3T3 cells IHC : mouse eye tissue, |
| Species Specificity: human, mouse | |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | |

Background Information

The Immunoglobulin superfamily containing leucine-rich repeat protein(ISLR), is involved in various biological events, such as embryonic development, Gaucher's disease, and replicative senescence of fibroblasts in some organs, including the heart, pancreas, and bone marrow. ISLR, also known as meflin, is a newly discovered marker of mesenchymal stem cells, which is involved in pathological fibrosis and the cancer microenvironment. (PMID: 34713300)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

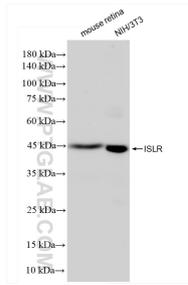
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

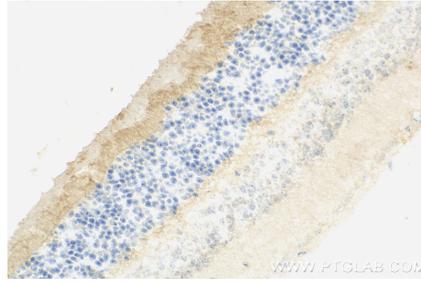
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

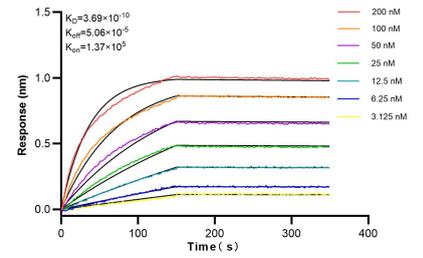
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83782-5-RR (ISLR antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse eye tissue slide using 83782-5-RR (ISLR antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 83782-5-RR against Human ISLR were performed. The affinity constant is 0.369 nM.