

IL-1RA/IL-1RN Recombinant antibody

Catalog Number: 85672-3-RR

Basic Information

Catalog Number: 85672-3-RR	GenBank Accession Number: NM_022194.2	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 60582	CloneNo.: 242317D2
Source: Rabbit	UNIPROT ID: P25086	Recommended Dilutions: WB: 1:500-1:2000 IHC: 1:1000-1:4000
Isotype: IgG	Full Name: interleukin 1 receptor antagonist	
Immunogen Catalog Number: EG3206	Calculated MW: 20 kDa Observed MW: 18-20 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : C2C12 cells, mouse skin tissues IHC : mouse skin tissue,
Species Specificity: human, mouse, rat	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

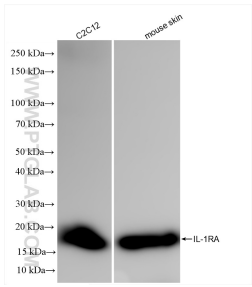
Background Information

Interleukin-1 receptor antagonist (IL-1RA) is a critical member of the IL-1 family of cytokines, which plays a significant role in modulating inflammatory responses. IL-1RA exists in two main forms: a secreted form (sIL-1Ra) and an intracellular form (icIL-1Ra). The secreted form is produced by various cells including monocytes, macrophages, neutrophils, and other cells, while the intracellular form is found in keratinocytes and other epithelial cells, as well as in monocytes and fibroblasts. IL-1RA is important in host defense against endotoxin-induced injury and is produced in numerous experimental animal models of disease, as well as in human autoimmune and chronic inflammatory diseases. It acts as an anti-inflammatory agent by maintaining the balance between pro-inflammatory IL-1 α / β and its own anti-inflammatory effects.

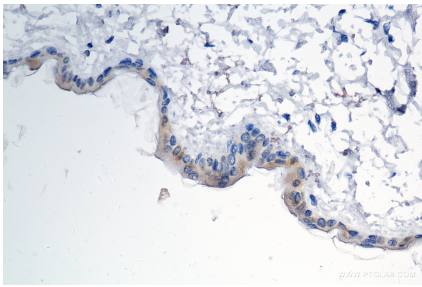
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

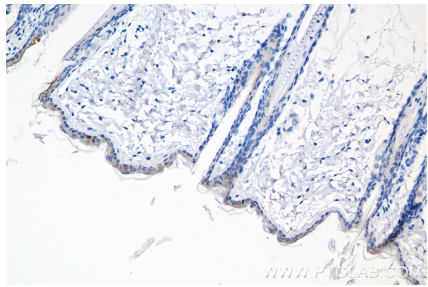
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85672-3-RR (IL-1RA/IL-1RN antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 85672-3-RR (IL-1RA/IL-1RN antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using 85672-3-RR (IL-1RA/IL-1RN antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).