

**IL-1RI Polyclonal Antibody**  
**Catalog # AP73446****Specification****IL-1RI Polyclonal Antibody - Product Information**

Application	WB, IHC-P
Primary Accession	<a href="#">P14778</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**IL-1RI Polyclonal Antibody - Additional Information****Gene ID 3554****Other Names**

IL1R1; IL1R; IL1RA; IL1RT1; Interleukin-1 receptor type 1; IL-1R-1; IL-1RT-1; IL-1RT1; CD121 antigen-like family member A; Interleukin-1 receptor alpha; IL-1R-alpha; Interleukin-1 receptor type I; p80; CD121a

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.  
IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**IL-1RI Polyclonal Antibody - Protein Information****Name IL1R1****Synonyms** IL1R, IL1RA, IL1RT1**Function**

Receptor for IL1A, IL1B and IL1RN (PubMed:[2950091](http://www.uniprot.org/citations/2950091), PubMed:[37315560](http://www.uniprot.org/citations/37315560)). After binding to interleukin-1 associates with the coreceptor IL1RAP to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B, MAPK and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Binds ligands with comparable affinity and binding of antagonist IL1RN prevents association with IL1RAP to form a signaling complex. Involved in IL1B-mediated costimulation of IFNG production from T-helper 1 (Th1) cells (PubMed:[10653850](http://www.uniprot.org/citations/10653850)).

**Cellular Location**

Membrane; Single- pass type I membrane protein. Cell membrane. Secreted

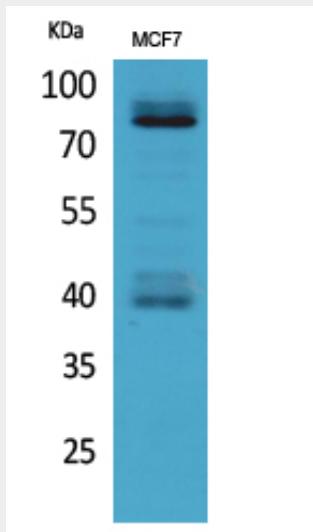
**Tissue Location**

Expressed in T-helper cell subsets. Preferentially expressed in T-helper 1 (Th1) cells.

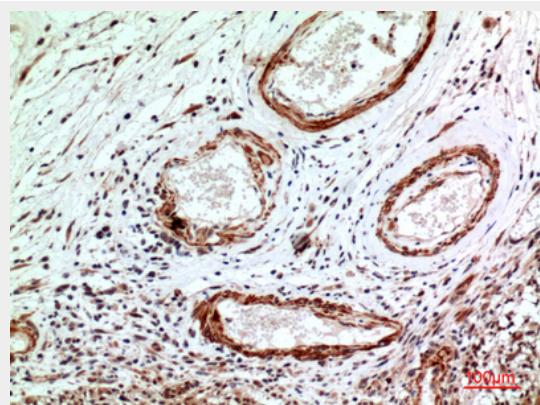
**IL-1RI Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**IL-1RI Polyclonal Antibody - Images**

Western Blot analysis of MCF7 cells using IL-1RI Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-brain, antibody was diluted at 1:100

### **IL-1RI Polyclonal Antibody - Background**

Receptor for IL1A, IL1B and IL1RN. After binding to interleukin-1 associates with the coreceptor IL1RAP to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B, MAPK and other pathways. Signaling involves the recruitment of adapter molecules such as TOLLIP, MYD88, and IRAK1 or IRAK2 via the respective TIR domains of the receptor/coreceptor subunits. Binds ligands with comparable affinity and binding of antagonist IL1RN prevents association with IL1RAP to form a signaling complex. Involved in IL1B-mediated costimulation of IFNG production from T-helper 1 (Th1) cells (PubMed:10653850).