

**IL-1 Receptor 1 Polyclonal Antibody**  
**Catalog # AP74466****Specification****IL-1 Receptor 1 Polyclonal Antibody - Product Information**

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

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

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) (CD antigen CD121a) [Cleaved into: Interleukin-1 receptor type 1, membrane form (mIL-1R1) (mIL-1RI); Interleukin-1 receptor type 1, soluble form (sIL-1R1) (sIL-1RI)]

**Dilution**

WB~~WB 1:500-2000, ELISA(peptide)1:5000-20000

**Format**

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

**Storage Conditions**

-20°C

**IL-1 Receptor 1 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

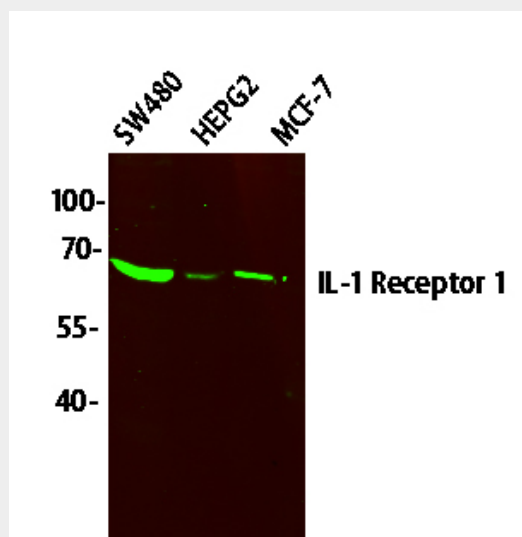
**Tissue Location**

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

**IL-1 Receptor 1 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-1 Receptor 1 Polyclonal Antibody - Images****IL-1 Receptor 1 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).