

hIL1R-pY496
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22476a**Specification**

hIL1R-pY496 - Product Information

Application	WB,E
Primary Accession	P14778
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Calculated MW	65402

hIL1R-pY496 - Additional Information**Gene ID** 3554**Other Names**

Interleukin-1 receptor type 1, IL-1R-1, IL-1RT-1, IL-1RT1, 3.2.2.6
{ECO:0000255|PROSITE-ProRule:PRU00204}, CD121 antigen-like family member A, Interleukin-1 receptor alpha, IL-1R-alpha, Interleukin-1 receptor type I, p80, CD121a, Interleukin-1 receptor type 1, membrane form, mL-1R1, mL-1RI, Interleukin-1 receptor type 1, soluble form, sIL-1R1, sIL-1RI, IL1R1, IL1R, IL1RA, IL1RT1

Target/Specificity

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

hIL1R-pY496 is for research use only and not for use in diagnostic or therapeutic procedures.

hIL1R-pY496 - Protein Information**Name** IL1R1

Synonyms IL1R, IL1RA, IL1RT1

Function Receptor for IL1A, IL1B and IL1RN (PubMed:[2950091](#), PubMed:[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](#)).

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.

hIL1R-pY496 - 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](#)

hIL1R-pY496 - Images**hIL1R-pY496 - Background**

Receptor for IL1A, IL1B and IL1RN (PubMed:2950091, PubMed: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).

hIL1R-pY496 - References

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Hillier L.W.,et al.Nature 434:724-731(2005).
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Mosley B.,et al.J. Biol. Chem. 262:2941-2944(1987).