

# hIL1R-pY496

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22476a

## Product Information

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Application	WB, E
Primary Accession	<a href="#">P14778</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Clone Names	R04087NP
Calculated MW	65402

## Additional Information

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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, mIL-1R1, mIL-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 0.05% (V/V) Proclin 300. 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.

## Protein Information

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Name	IL1R1
Synonyms	IL1R, IL1RA, IL1RT1

<b>Function</b>	Receptor for IL1A, IL1B and IL1RN (PubMed: <a href="#">2950091</a> , PubMed: <a href="#">37315560</a> ). 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: <a href="#">10653850</a> ).
<b>Cellular Location</b>	Membrane; Single- pass type I membrane protein. Cell membrane. Secreted
<b>Tissue Location</b>	Expressed in T-helper cell subsets. Preferentially expressed in T-helper 1 (Th1) cells.

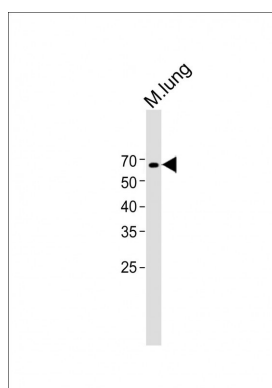
## Background

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](#)).

## References

Chua A.O.,et al.Nucleic Acids Res. 17:10114-10114(1989).  
Sims J.E.,et al.Proc. Natl. Acad. Sci. U.S.A. 86:8946-8950(1989).  
Hillier L.W.,et al.Nature 434:724-731(2005).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Mosley B.,et al.J. Biol. Chem. 262:2941-2944(1987).

## Images



All lanes: Anti-IL1R Antibody pY496 at 1:2000 dilution +  
Mouse lung lysate Lysates/proteins at 20 µg per lane.  
Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase  
conjugated (ASP1615) at 1/15000 dilution. Observed band  
size: 65 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.