10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

IL1R1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13994b

Specification

IL1R1 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P14778
Other Accession	NP_000868.1
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**65402**
Antigen Region	**422-450**

IL1R1 Antibody (C-term) - 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, 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 IL1R1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 422-450 amino acids from the C-terminal region of human IL1R1.

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
IL1R1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

IL1R1 Antibody (C-term) - Protein Information

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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

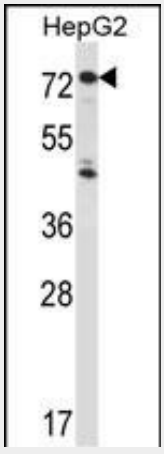
Tissue Location
Expressed in T-helper cell subsets. Preferentially expressed in T-helper 1 (Th1) cells.

IL1R1 Antibody (C-term) - Protocols

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

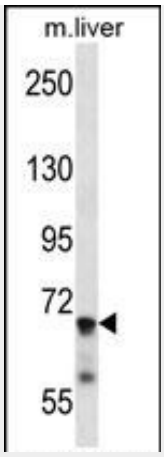
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IL1R1 Antibody (C-term) - Images



IL1R1 Antibody (C-term) (Cat. #AP13994b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the IL1R1 antibody detected the IL1R1 protein (arrow).

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



IL1R1 Antibody (C-term) (Cat. #AP13994b) western blot analysis in mouse liver tissue lysates (35ug/lane).This demonstrates the IL1R1 antibody detected the IL1R1 protein (arrow).

IL1R1 Antibody (C-term) - Background

The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein is a receptor for interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA). It is an important mediator involved in many cytokine induced immune and inflammatory responses. This gene along with interleukin 1 receptor, type II (IL1R2), interleukin 1 receptor-like 2 (IL1RL2), and interleukin 1 receptor-like 1 (IL1RL1) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12.

IL1R1 Antibody (C-term) - References

Fragoso, J.M., et al. Immunol. Lett. 133(2):106-111(2010)
Franchim, C.S., et al. Hypertens Pregnancy (2010) In press :
Melen, E., et al. J. Allergy Clin. Immunol. 126(3):631-637(2010)
de Wit, E., et al. Mamm. Genome (2010) In press :
Ryckman, K.K., et al. PLoS ONE 5 (8), E12273 (2010) :