

Rabbit anti-Human, Mouse IL1RAP Polyclonal Antibody | anti-IL1RAP antibody

IL1RAP Antibody (C-Term)

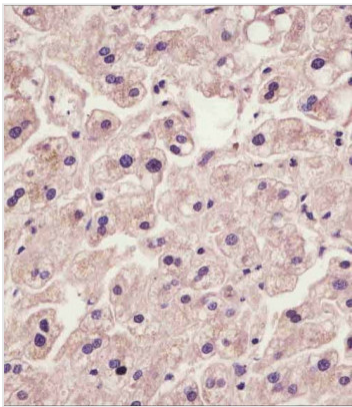
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290900	Rabbit	Human, Mouse	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

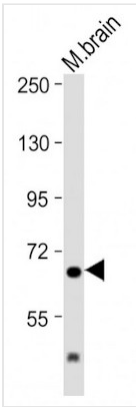
IL1RAP; Polyclonal Antibody; IL1RAP Antibody (C-Term); Purified Rabbit Polyclonal Antibody (Pab); Interleukin-1 receptor accessory protein; IL-1 receptor accessory protein; IL-1RAcP; Interleukin-1 receptor 3; IL-1R-3; IL-1R3; C3orf13; IL1R3; anti-IL1RAP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	This IL1RAP antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 484-518 amino acids of human IL1RAP.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Length	570
Applicable Applications for anti-IL1RAP antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Function	Coreceptor for IL1RL2 in the IL-36 signaling system (By similarity). Coreceptor with IL1R1 in the IL-1 signaling system. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B 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. Recruits TOLLIP to the signaling complex. Does not bind to interleukin-1 alone; binding of IL1RN to IL1R1, prevents its association with IL1R1 to form a signaling complex. The cellular response is modulated through a non-signaling association with the membrane IL1R2 decoy receptor. Coreceptor for IL1RL1 in the IL-33 signaling system. Can bidirectionally induce pre- and postsynaptic differentiation of neurons by trans-synaptically binding to PTPRD (By similarity). May play a role in IL1B-mediated costimulation of IFNG production from T-helper 1 (Th1) cells (Probable).
Tissue Location	Detected in liver, skin, placenta, thymus and lung. Isoform 4 is predominantly expressed in brain. Overexpressed on candidate chronic myeloid leukemia (CML) stem cells, hematopoietic stem cells and mononuclear cells of patients with acute myeloid leukemia (AML). Overexpressed in patients with chronic obstructive pulmonary disease (COPD)
Cellular Location	Isoform 1: Cell membrane; Single-pass type I membrane protein Isoform 3: Secreted.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
Staining IL1RAP in human liver tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37 degree C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



WB (Western Blot)
Anti-IL1RAP Antibody (C-Term) at 1:2000 dilution + Mouse brain lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 65 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-IL1RAP antibody	Coreceptor for IL1RL2 in the IL-36 signaling system (By similarity). Coreceptor with IL1R1 in the IL-1 signaling system. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1- dependent activation of NF-kappa-B 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. Recruits TOLLIP to the signaling complex. Does not bind to interleukin-1 alone; binding of IL1RN to IL1R1, prevents its association with IL1R1 to form a signaling complex. The cellular response is modulated through a non-signaling association with the membrane IL1R2 decoy receptor. Coreceptor for IL1RL1 in the IL-33 signaling system.
Product Categories/Family for anti-IL1RAP antibody	Primary Antibodies; Cardiovascular; Immunology
References	Huang J.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:12829-12832(1997). Saito T.,et al. Submitted (AUG-1997) to the EMBL/GenBank/DDBJ databases. Jensen L.E.,et al.J. Immunol. 164:5277-5286(2000). Jensen L.E.,et al.Cell. Signal. 15:793-802(2003). Lu H.L.,et al.Mol. Immunol. 45:1374-1384(2008).

NCBI AND UNIPROT INFORMATION

NCBI GI #	268840214
NCBI GeneID	3556
NCBI Accession #	NP_001161400.1
NCBI GenBank Nucleotide #	NM_001167928.1
UniProt Accession #	Q9NPH3; O14915; Q86WJ7; B1NLD0; D3DNW0
NCBI Official Full Name	interleukin-1 receptor accessory protein isoform 1
NCBI Official Synonym Full Names	interleukin 1 receptor accessory protein
NCBI Official Symbol	IL1RAP
NCBI Official Synonym Symbols	IL1R3; C3orf13; IL-1RAcP
NCBI Protein Information	interleukin-1 receptor accessory protein
UniProt Protein Name	Interleukin-1 receptor accessory protein

UniProt Gene Name	IL1RAP
UniProt Synonym Gene Names	C3orf13; IL1R3; IL-1 receptor accessory protein; IL-1RAcP; IL-1R-3; IL-1R3

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il1rap-antibody-western-blot-immunohistochemistry-elisa/290900>