

Rabbit anti-Human, Mouse IL1R2 Polyclonal Antibody | anti-IL1R2 antibody

IL1R2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326447	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

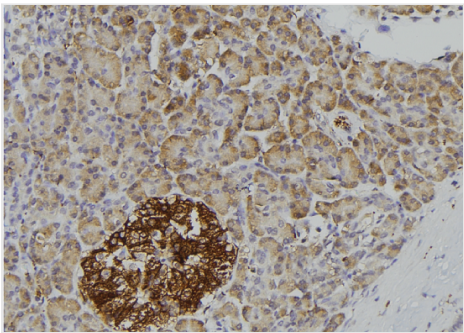
PRODUCT SYNONYMS

IL1R2; Polyclonal Antibody; IL1R2 Antibody; IL1 Receptor II; Antigen CDw121b; CD121; CD121 antigen-like family member B; CD121b; CD121B Antigen; CDw121b; IL 1 type II receptor; IL-1R-2; IL-1R-beta; IL-1R2; IL-1RT-2; IL-1RT2; IL1R Beta; IL1r-2; IL1R2_HUMAN; IL1R2c; IL1RB; Interleukin 1 receptor type II variant 3; Interleukin 1 receptor; beta; type II; Interleukin-1 receptor beta; Interleukin-1 receptor type 2; Interleukin-1 receptor type II; MGC137383; MGC47725; OTTHUMP00000207969; p68; Type II interleukin-1 receptor; anti-IL1R2 antibody

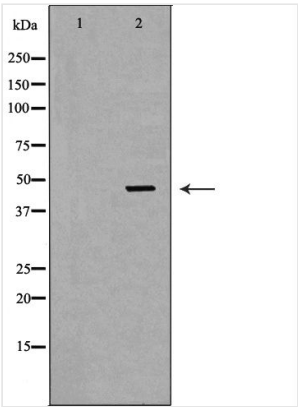
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	IL1R2 antibody detects endogenous levels of total IL1R2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	296
Applicable Applications for anti-IL1R2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human IL1R2
Subcellular Location	Membrane.
Predicted Cross Reactivity	Horse, Dog
Similarity	Horse (83%), Dog (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326447 at 1/100 staining Human pancreas tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of LoVo cell lysate, using IL1R2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IL1R2 antibody

Description: The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. Interleukin 4 (IL4) is reported to antagonize the activity of interleukin 1 by inducing the expression and release of this cytokine. This gene and three other genes form a cytokine receptor gene cluster on chromosome 2q12. Alternative splicing results in multiple transcript variants and protein isoforms. Alternative splicing produces both membrane-bound and soluble proteins. A soluble protein is also produced by proteolytic cleavage.

Function: Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competitive binding to IL1B and preventing its binding to IL1R1. Also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.

Subunit Structure: Associates with IL1RAP to form a non-signaling interleukin-1 receptor complex.

Post-translational Modifications: A soluble form (sIL1R2) can also be produced by proteolytic cleavage at the cell surface (shedding) involving a metalloproteinase; however, several sIL1R2 forms ranging from 45 and 60 kDa are reported.

Similarity: Belongs to the interleukin-1 receptor family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	387527984
NCBI GeneID	7850
NCBI Accession #	NP_001248348.1
NCBI GenBank Nucleotide #	NM_001261419.1
UniProt Accession #	P27930; Q6LCE6; Q9UE68; D3DVJ5
Molecular Weight	Observed: 45 kDa Predicted: 46 kDa
NCBI Official Full Name	interleukin-1 receptor type 2 isoform 2
NCBI Official Synonym Full Names	interleukin 1 receptor type 2
NCBI Official Symbol	IL1R2
NCBI Official Synonym Symbols	IL1RB; CD121b; IL1R2c; CDw121b; IL-1R-2; IL-1RT2; IL-1RT-2
NCBI Protein Information	interleukin-1 receptor type 2

UniProt Protein Name	Interleukin-1 receptor type 2
UniProt Gene Name	IL1R2
UniProt Synonym Gene Names	IL1RB; IL-1R-2; IL-1RT-2; IL-1RT2; IL-1R-beta; mIL-1R2; mL-1RII; sIL-1R2; sIL-1RII

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/il1r2-antibody-immunohistochemistry-western-blot-elisa/326447>