

Rabbit anti-Mouse IL1R1 Polyclonal Antibody | anti-IL1R1 antibody

Anti-IL1R1 Antibody, Rabbit Polyclonal

CATALOG # AAA257229	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry, ELISA
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

IL1R1; Polyclonal Antibody; Anti-IL1R1 Antibody; Rabbit Polyclonal; IL1R1/IL-1R1/IL-1 RI Antibody; Rabbit PAb; Antigen Affinity Purified; interleukin 1 receptor; type I; Anti-CD121a Antibody; Anti-CD121b Antibody; Anti-IL-1R1 Antibody; Anti-IL-1R Antibody; Anti-IL1r-1 Antibody; anti-IL1R1 antibody

PRODUCT SPECIFICATIONS

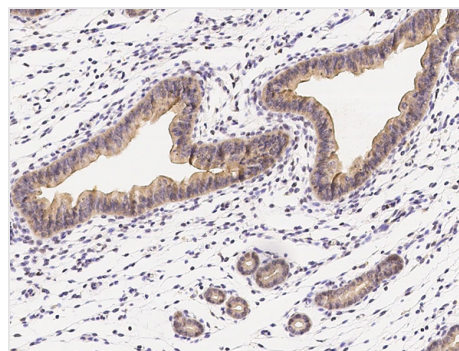
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse IL1R1/IL-1R1/IL-1 RI
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IL1R1 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Mouse IL1R1/IL-1R1/IL-1 RI Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Mouse IL1R1/IL-1R1/IL-1 RI (rM IL1R1/IL-1R1/IL-1 RI). IL1R1/IL-1R1/IL-1 RI specific IgG was purified by Mouse IL1R1/IL-1R1/IL-1 RI affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse IL1R1 in mouse small intestine with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of mouse IL1R1 in mouse uterus with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-IL1R1 antibody	Interleukin 1 receptor, type I (IL-1R1) also known as CD121a (Cluster of Differentiation 121a), is an interleukin receptor. IL-1R1/CD121a 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). IL-1R1/CD121a is an important mediator involved in many cytokines induced immune and inflammatory responses. This protein has been characterized by pharmacological and molecular techniques in the mouse brain. The spindle-shaped astrocytes enclose the wound, separating the healthy from damaged neural tissue. The shape change and subsequent repair processes are IL-1beta activity-dependent, acting through the IL-1 type 1 receptor (IL-1R1), as co-application of the IL-1type 1 receptor antagonist protein (IL-1ra) blocks IL-1beta induced effects. In the spleen, a slight increase in IL-1R ACP and IL-1R1 was observed during the first hours following LPS stimulation. In conclusion, IL-1R AcP mRNA is expressed in the brain and in other tissues where IL-1R1/CD121a transcripts are found. However, the regulation of its expression is distinct from IL-1R1/CD121a. The high level of expression and the lack of regulation of IL-1R AcP transcripts in the brain under inflammatory conditions suggest that the protein might be constitutively expressed in excess.
Product Categories/Family for anti-IL1R1 antibody	Neuroinflammation; IL1 signaling pathway
References	Dale M, et al. (1999). "Interleukin-1 receptor cluster: gene organization of IL1R2, IL1R1, IL1RL2 (IL-1Rrp2), IL1RL1 (T1/ST2), and IL18R1 (IL-1Rrp) on human chromosome 2q.". Genomics 57 (1): 177-9.Joos L, et al. (2001). "Association of IL-1beta and IL-1 receptor antagonist haplotypes with rate of decline in lung function in smokers.". Thorax 56 (11): 863-6.Vigers GP, et al. (1997). "Crystal structure of the type-I interleukin-1 receptor complexed with interleukin-1beta.". Nature 386 (6621): 190-4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680417
NCBI GeneID	16177
NCBI Accession #	NP_032388.1
NCBI GenBank Nucleotide #	NM_008362.2
UniProt Accession #	P13504
Molecular Weight	66,698 Da
NCBI Official Full Name	interleukin-1 receptor type 1 isoform 1
NCBI Official Synonym Full Names	interleukin 1 receptor, type I
NCBI Official Symbol	IL1r1
NCBI Official Synonym Symbols	IL-iR; CD121a; CD121b; IL-1R1; IL1r-1
NCBI Protein Information	interleukin-1 receptor type 1; CD121 antigen-like family member A; IL-1 receptor alpha chain; IL-1R-1; IL-1R-alpha; IL-1RT-1; IL-1RT1; interleukin-1 receptor alpha; interleukin-1 receptor type I; p80
UniProt Protein Name	Interleukin-1 receptor type 1
UniProt Gene Name	IL1r1
UniProt Synonym Gene Names	IL-1r1; IL1ra; IL-1R-1; IL-1RT-1; IL-1RT1; IL-1R-alpha; mIL-1R1; mIL-1RI; sIL-1R1; sIL-1RI
UniProt Entry Name	IL1R1_MOUSE

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.