

Rabbit anti-Human, Rat IL12RB1 Polyclonal Antibody | anti-IL12RB1 antibody

IL12RB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323454	Rabbit	Human, Rat	ELISA, Immunohistochemistry, Western Blot

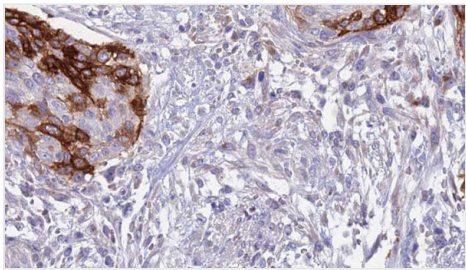
PRODUCT SYNONYMS

IL12RB1; Polyclonal Antibody; IL12RB1 Antibody; CD212; cluster of differentiation 212; I12R1_HUMAN; IL-12 receptor beta component; IL-12 receptor subunit beta-1; IL-12R subunit beta-1; IL-12R-beta-1; IL-12RB1; IL12 receptor beta component; IL12RB; IL12rb1; IMD3; IMD30; Interleukin 12 receptor beta 1 chain; Interleukin 12 receptor subunit beta 1; Interleukin-12 receptor subunit beta-1; MGC34454; anti-IL12RB1 antibody

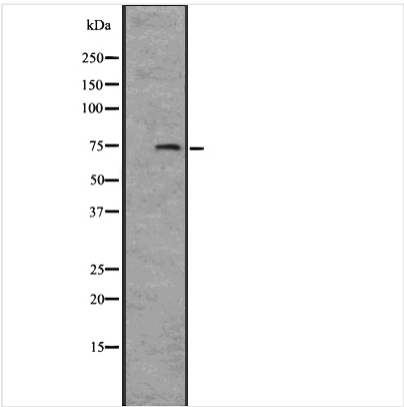
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IL12RB1 antibody detects endogenous levels of total IL12RB1
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	660
Applicable Applications for anti-IL12RB1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Predicted Cross Reactivity	Bovine
Similarity	Bovine (83%)
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemistry)
AAA323454 at 1/100 staining Human urothelial cancer 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 IL12RB1 expression in A431 whole cell lysate ;, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IL12RB1 antibody	Function: Functions as an interleukin receptor which binds interleukin-12 with low affinity and is involved in IL12 transduction. Associated with IL12RB2 it forms a functional, high affinity receptor for IL12. Associates also with IL23R to form the interleukin-23 receptor which functions in IL23 signal transduction probably through activation of the Jak-Stat signaling cascade. Subunit Structure: Dimer or oligomer; disulfide-linked. Interacts with IL12RB2 to form the high affinity IL12 receptor. Heterodimer with IL23R; in presence of IL23. The heterodimer forms the IL23 receptor. Similarity: The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.The box 1 motif is required for JAK interaction and/or activation. Belongs to the type I cytokine receptor family. Type 2 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	586946416
NCBI GeneID	3594
NCBI Accession #	NP_001276952.1
NCBI GenBank Nucleotide #	NM_001290023.1
UniProt Accession #	P42701; Q8N6Q7; A8K308; B2RPF1; B7ZKK3
Molecular Weight	Observed: 73 kDa Predicted: 74 kDa
NCBI Official Full Name	interleukin-12 receptor subunit beta-1 isoform 3
NCBI Official Synonym Full Names	interleukin 12 receptor subunit beta 1
NCBI Official Symbol	IL12RB1
NCBI Official Synonym Symbols	CD212; IMD30; IL12RB; IL-12R-BETA1
NCBI Protein Information	interleukin-12 receptor subunit beta-1
UniProt Protein Name	Interleukin-12 receptor subunit beta-1
UniProt Gene Name	IL12RB1
UniProt Synonym Gene Names	IL12R; IL12RB; IL-12 receptor subunit beta-1; IL-12R subunit beta-1; IL-12R-beta-1; IL-12RB1

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.

