

Rabbit anti-Human, Rat IL15RA Polyclonal Antibody | anti-IL15RA antibody

IL15RA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325343	Rabbit	Human, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

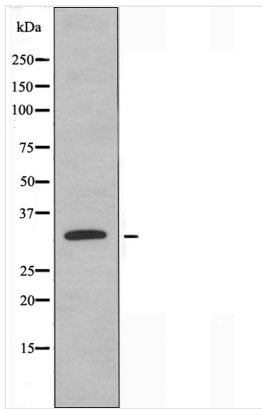
PRODUCT SYNONYMS

IL15RA; Polyclonal Antibody; IL15RA Antibody; AA690181; CD215; I15RA_HUMAN; IL 15R alpha; IL-15 receptor subunit alpha; IL-15R-alpha; IL-15RA; IL15ra; Interleukin 15 receptor alpha; Interleukin 15 receptor subunit alpha; MGC104179; sIL-15 receptor subunit alpha; sIL-15R-alpha; sIL-15RA; Soluble interleukin 15 receptor subunit alpha; Soluble interleukin-15 receptor subunit alpha; anti-IL15RA antibody

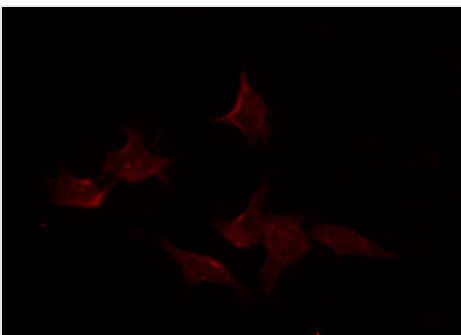
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IL15RA antibody detects endogenous levels of total IL15RA
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	231
Applicable Applications for anti-IL15RA antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Secreted > Extracellular Space; Membrane. Nucleus Membrane. Mainly found associated with the nuclear membrane and endoplasmic reticulum membrane. Golgi Apparatus Membrane. Cytoplasmic Vesicle Membrane. Membrane. Isoform 5, isoform 6, isoform 7 and isoform 8 are associated with endoplasmic reticulum, golgi and cytoplasmic vesicles, but not with the nuclear membrane.
Tissue Specificity	Isoform 1, isoform 3, isoform 4, isoform 5, isoform 6, isoform 7, isoform 8 and isoform 9 are widely expressed. Expressed in fetal brain with higher expression in the hippocampus and cerebellum than in cortex and thalamus. Higher levels of soluble sIL-15RA form in comparison with membrane-bound forms is present in all brain structures.
Predicted Cross Reactivity	Rabbit
Similarity	Rabbit (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from COLO cells, using IL15RA antibody.



IF (Immunofluorescence)
AAA325343 staining COLO205 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IL15RA antibody	Function: High-affinity receptor for interleukin-15. Can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG-expressing cells. Expression of different isoforms may alter or interfere with signal transduction. Isoform 5, isoform 6, isoform 7 and isoform 8 do not bind IL15. Signal transduction involves SYK. Subunit Structure: The interleukin-15 receptor IL15R is a heterotrimer of IL15RA, IL2RB and IL2RG. IL15RA also self-associates (By similarity). Interacts with SYK. Post-translational Modifications: A soluble form (sIL-15RA) arises from proteolytic shedding of the membrane-anchored receptor. The cleavage involves ADAM17/TACE (By similarity). It also binds IL-15 and thus interferes with IL-15 binding to the membrane receptor. Phosphorylated by activated SYK. N-glycosylated and O-glycosylated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	343780891
NCBI GeneID	3601
NCBI Accession #	NP_001230468.1
NCBI GenBank Nucleotide #	NM_001243539.1
UniProt Accession #	Q13261; Q3B769; Q5JVA1; Q5JVA2; Q5JVA4; Q6B0J2; Q7LDR4; Q7Z609; B4E2C2
Molecular Weight	Observed: 32 kD Predicted: 29 kDa
NCBI Official Full Name	interleukin-15 receptor subunit alpha isoform 3
NCBI Official Synonym Full Names	interleukin 15 receptor subunit alpha
NCBI Official Symbol	IL15RA
NCBI Official Synonym Symbols	CD215
NCBI Protein Information	interleukin-15 receptor subunit alpha
UniProt Protein Name	Interleukin-15 receptor subunit alpha
UniProt Gene Name	IL15RA
UniProt Synonym Gene Names	IL-15 receptor subunit alpha; IL-15R-alpha; IL-15RA; sIL-15 receptor subunit alpha; sIL-15R-alpha; sIL-15RA

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.

