



Rabbit Anti-IL15RA antibody

SL2605R

Product Name:	IL15RA
Chinese Name:	白介素15受体 α 抗体
Alias:	Interleukin-15 receptor subunit alpha; IL 15R alpha; IL15RA; IL-15RA; Interleukin 15 receptor alpha; Interleukin 15 receptor subunit alpha; Soluble interleukin 15 receptor subunit alpha; I15RA HUMAN.
文献引用 PubMed :	<p>Specific References(1) SL2605R has been referenced in 1 publications.</p> <p>[IF=5.06]Yoon, Jung Hae, et al. "Comparative Proteomic Profiling of Dystroglycan-Associated Proteins in Wild Type, mdx, and Galgt2 Transgenic Mouse Skeletal Muscle." Journal of Proteome Research 11.9 (2012): 4413-4424.IP;Mouse.</p> <p style="text-align: right;">PubMed:22775139</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	25kDa
Cellular localization:	The nucleuscytoplasmicThe cell membraneExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IL-15RA:51-150/267<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized

	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>IL15RA is a cytokine receptor that specifically binds IL15 with high affinity. It shares two subunits with the receptor of IL2, the IL2R beta and IL2R gamma chains. This forms the basis of many overlapping biological activities of IL15 and IL2. The IL2 receptor requires an additional IL2-specific alpha subunit for high affinity IL2 binding. This protein is structurally related to IL2R alpha, but is capable of binding IL15 with high affinity independent of other subunits, which suggests the distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2-XL and BCL2. There are nine different isoforms.</p> <p>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 STAT3, STAT5, STAT6, JAK2 (By similarity) and SYK.</p> <p>Subunit: The interleukin-15 receptor IL15R is a heterotrimer of IL15RA, IL2RB and IL2RG. IL15RA also self-associates (By similarity). Interacts with SYK.</p> <p>Subcellular Location: Membrane. Nucleus 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. Soluble interleukin-15 receptor subunit alpha: Secreted, extracellular space.</p> <p>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.</p> <p>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.</p> <p>Similarity: Contains 1 Sushi (CCP/SCR) domain.</p>

SWISS:
Q13261

Gene ID:
3601

Database links:

[Entrez Gene: 3601](#)Human

[Omim: 601070](#)Human

[SwissProt: Q13261](#)Human

[Unigene: 524117](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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