

Rabbit IL15RA Polyclonal Antibody | anti-IL15RA antibody

Anti-IL15RA Picoband Antibody

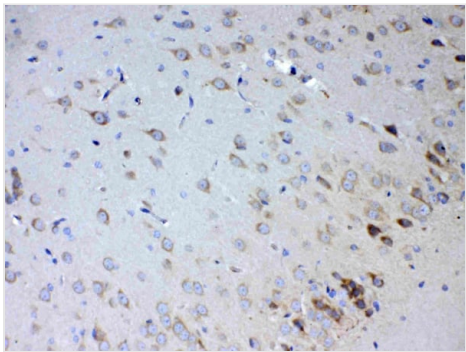
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124701	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

IL15RA; Polyclonal Antibody; Anti-IL15RA Picoband Antibody; Interleukin-15 receptor subunit alpha; IL-15 receptor subunit alpha; IL-15R-alpha; IL-15RA; CD215; Soluble interleukin-15 receptor subunit alpha; sIL-15 receptor subunit alpha; sIL-15R-alpha; sIL-15RA; anti-IL15RA antibody

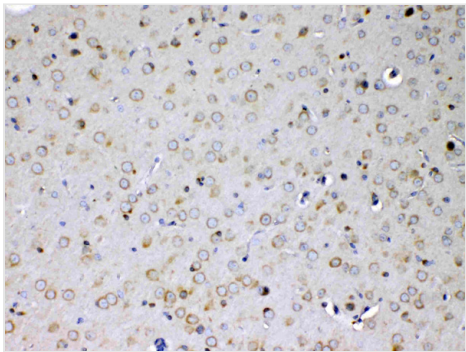
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml. (varies by lot)
Sequence Length	231
Applicable Applications for anti-IL15RA antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	E Coli-derived human IL15RA recombinant protein (Position: I31-T174).
Subcellular Localization	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.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



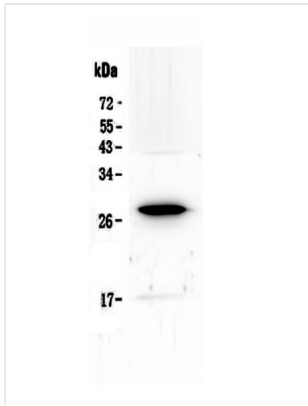
IHC (Immunohistochemisry)

Figure 3. IHC analysis of IL15RA using anti-IL15RA antibody (AAA124701).IL15RA was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-IL15RA Antibody (AAA124701) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of IL15RA using anti-IL15RA antibody (AAA124701).IL15RA was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-IL15RA Antibody (AAA124701) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of IL15RA using anti-IL15RA antibody (AAA124701).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: human placenta tissue lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IL15RA antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for IL15RA at approximately 28KD. The expected band size for IL15RA is at 28KD.

ADDITIONAL INFORMATION

Related Product Information for anti-IL15RA antibody

Description: Interleukin 15 receptor, alpha subunit is a subunit of the interleukin 15 receptor that in humans is encoded by the IL15RA gene. This gene encodes a cytokine receptor that specifically binds interleukin 15 (IL15) with high affinity. The receptors of IL15 and IL2 share two subunits, IL2R beta and IL2R gamma. This forms the basis of many overlapping biological activities of IL15 and IL2. The protein encoded by this gene is structurally related to IL2R alpha, an additional IL2-specific alpha subunit necessary for high affinity IL2 binding. Unlike IL2RA, IL15RA is capable of binding IL15 with high affinity independent of other subunits, which suggests distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2-XL and BCL2. Multiple alternatively spliced transcript variants of this gene have been reported. Protein 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.

Product Categories/Family for anti-IL15RA antibody	Cell Biology; Apoptosis; Receptors; Associated Proteins; Signal Transduction; Adapters; transmembrane; Metabolism; Types of Disease; Obesity; Cancer; Cell Death
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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	24,388 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il15ra-antibody-western-blot-immunohistochemistry-elisa/124701>