

IL-15R α Rabbit pAb

CatalogNo: YT2315

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat

Applications

- WB,ELISA

MW

- 32kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000

ELISA 1:40000

Not yet tested in other applications.

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human IL15RA. AA range:99-148

Specificity IL-15R α Polyclonal Antibody detects endogenous levels of IL-15R α protein.

Target Information

Gene name IL15RA

Protein Name Interleukin-15 receptor subunit alpha

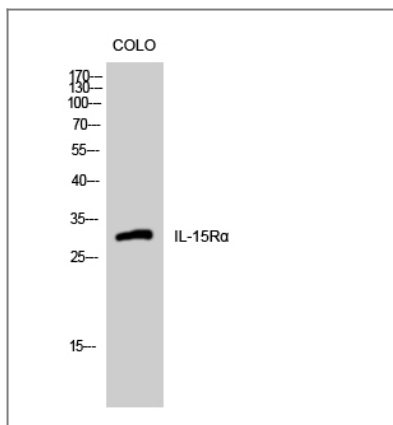
Organism	Gene ID	UniProt ID
Human	3601 ;	Q13261 ;
Mouse		Q60819 ;

Cellular Localization Membrane ; Single-pass type I membrane protein . Nucleus membrane ; Single-pass type I membrane protein . Cell surface . Mainly found associated with the nuclear membrane.; [Isoform 5]: Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Membrane; Single-pass type I membrane protein. Isoform 5, isoform 6, isoform 7 and isoform 8 are associated with endoplasmic reticulum, Golgi and cytoplasmic vesicles, but not with the nuclear membrane.; [Isoform 6]: Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Membrane; Single-pass type I membrane protein. Isoform 5, isoform 6, isoform 7 and isoform 8 are associated with endoplasmic reticulum, Golgi and cytoplasmic vesicles, but not with the nuclear membrane.; [Isoform 7]: Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Membrane; Single-pass type I membrane protein. Isoform 5, isoform 6, isoform 7 and isoform 8 are associated with endoplasmic reticulum, Golgi and cytoplasmic vesicles, but not with the nuclear membrane.; [Isoform 8]: Endoplasmic reticulum membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Membrane; Single-pass type I membrane protein. 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 .

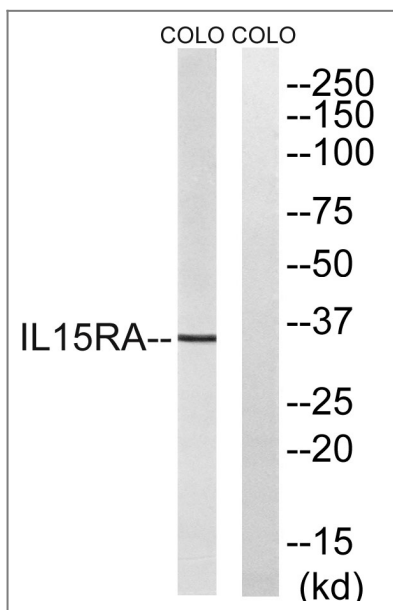
Tissue specificity Expressed in neutrophils (at protein level) (PubMed:15123770). Expressed in fetal brain with higher expression in the hippocampus and cerebellum than in cortex and thalamus (PubMed:12114302). Higher levels of soluble sIL-15RA form in comparison with membrane-bound forms is present in all brain structures (PubMed:12114302). Isoforms 1, 3, 4, 5, 6, 7, 8 and 9: Widely expressed (PubMed:10480910, PubMed:8530383).

Function Function:Receptor for interleukin-15. Expression of different isoforms may alter or interfere with signal transduction. Isoform 6, isoform 7, isoform 8 and isoform 9 do not bind IL15. Signal transduction involves STAT3, STAT5, STAT6, JAK2 (By similarity) and SYK.,PTM: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.,PTM:N-glycosylated and O-glycosylated.,PTM:Phosphorylated by activated SYK.,similarity:Contains 1 Sushi (CCP/SCR) domain.,subcellular location:Isoform 6, isoform 7, isoform 8 and isoform 9 are associated with endoplasmic reticulum, Golgi and cytoplasmic vesicles, but not with the nuclear membrane.,subcellular location:Mainly found associated with the nuclear membrane.,subunit:The interleukin-15 receptor IL15R is a heterotrimer of IL15RA, IL2RB and IL2RG. IL15RA also self-associates (By similarity). Interacts with SYK.,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.,

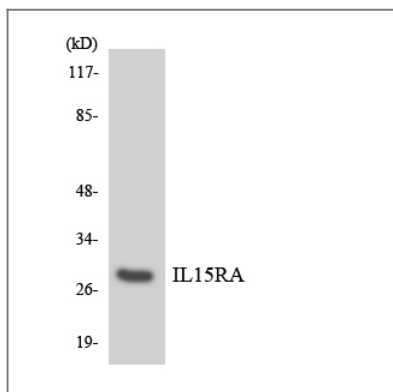
Validation Data



Western Blot analysis of COLO cells using IL-15Rα Polyclonal Antibody



Western blot analysis of lysates from COLO cells, using IL15RA Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using IL15RA antibody.

Contact information

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IL-15Rα Rabbit pAb

