

# IL-15R $\alpha$ Polyclonal Antibody

Catalog # AP70498

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q13261</a>
<b>Reactivity</b>	Human, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	28233

## Additional Information

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<b>Gene ID</b>	3601
<b>Other Names</b>	IL15RA; Interleukin-15 receptor subunit alpha; IL-15 receptor subunit alpha; IL-15R-alpha; IL-15RA; CD antigen CD215
<b>Dilution</b>	WB--Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	IL15RA
<b>Function</b>	High-affinity receptor for interleukin-15 (PubMed: <a href="#">8530383</a> ). Can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG-expressing cells (By similarity). In neutrophils, binds and activates kinase SYK in response to IL15 stimulation (PubMed: <a href="#">15123770</a> ). In neutrophils, required for IL15- induced phagocytosis in a SYK-dependent manner (PubMed: <a href="#">15123770</a> ). Expression of different isoforms may alter or interfere with signal transduction (PubMed: <a href="#">10480910</a> ).
<b>Cellular Location</b>	Membrane; Single- pass type I membrane protein. Nucleus membrane; Single-pass type I membrane protein. Cell surface. Note=Mainly found associated 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 Note=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 Note=Isoform 5, isoform 6, isoform 7 and isoform 8 are associated with endoplasmic reticulum, Golgi and cytoplasmic vesicles, but not with the nuclear membrane

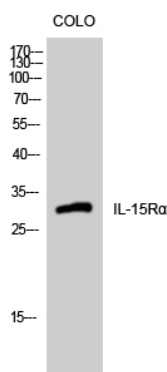
## Tissue Location

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).

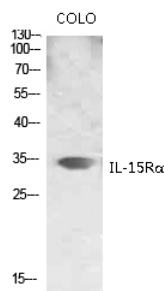
## Background

High-affinity receptor for interleukin-15 (PubMed: [8530383](#)). Can signal both in cis and trans where IL15R from one subset of cells presents IL15 to neighboring IL2RG- expressing cells (By similarity). In neutrophils, binds and activates kinase SYK in response to IL15 stimulation (PubMed:[15123770](#)). In neutrophils, required for IL15-induced phagocytosis in a SYK-dependent manner (PubMed:[15123770](#)). Expression of different isoforms may alter or interfere with signal transduction (PubMed:[10480910](#)).

## Images



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



Western blot analysis of various lysis using IL-15Rα Polyclonal Antibody. Secondary antibody was diluted at 1:20000

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.