

Polyclonal Antibody to Interleukin 15 (IL15)

Interleukin 15

Catalog # AP74645

Product Information

Application	WB
Primary Accession	Q9XSJ6
Reactivity	Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18511

Additional Information

Gene ID	443056
Other Names	Interleukin-15, IL-15, IL15
Target/Specificity	Ovis aries; Ovine (Sheep)
Dilution	WB~~Western blotting: 0.2-2 μ g/mL;1:250-2500 Immunohistochemistry: 5-20 μ g/mL;1:25-100 Immunocytochemistry: 5-20 μ g/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN ₃ , 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

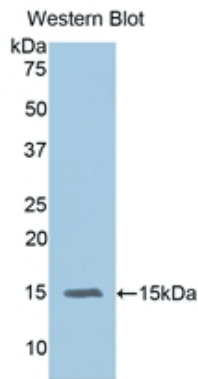
Name	IL15
Function	Cytokine that plays a major role in the development of inflammatory and protective immune responses to microbial invaders and parasites by modulating immune cells of both the innate and adaptive immune systems. Stimulates the proliferation of natural killer cells, T-cells and B-cells and promotes the secretion of several cytokines. In monocytes, induces the production of IL8 and monocyte chemotactic protein 1/CCL2, two chemokines that attract neutrophils and monocytes respectively to sites of infection. Unlike most cytokines, which are secreted in soluble form, IL15 is expressed in association with its high affinity IL15RA on the surface of IL15-producing cells and delivers signals to target cells that express IL2RB and IL2RG receptor subunits. Binding to its receptor triggers the phosphorylation of JAK1 and JAK3 and the recruitment and subsequent phosphorylation of signal transducer and activator of transcription-3/STAT3 and STAT5 (By similarity). In

mast cells, induces the rapid tyrosine phosphorylation of STAT6 and thereby controls mast cell survival and release of cytokines such as IL4 (By similarity).

Cellular Location

Secreted.

Images



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