

Rabbit IL15 Polyclonal Antibody | anti-IL15 antibody

IL15 antibody - N-terminal region

CATALOG # AAA200518	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

IL15; Polyclonal Antibody; IL15 antibody - N-terminal region; anti-IL15 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: RI SKPHLRSISI QCYLCLLLNS HFLTEAGIHV FILGCFSAGL PKTEANWV
Sequence Length	162
Applicable Applications for anti-IL15 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 86%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human IL15
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

WB Suggested Anti-IL15 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: 293T cell lysate

WB (Western Blot)

Host: Rabbit
Target Name: IL15
Sample Tissue: Human RPMI 8226 Whole Cell
Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-IL15 antibody	This is a rabbit polyclonal antibody against IL15. It was validated on Western Blot using a cell lysate as a positive control. Target Description: IL15 is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukine 2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Studies of the mouse counterpart suggested that this cytokine may increase the expression of apoptosis inhibitor BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. The protein encoded by this gene is a cytokine that regulates T and natural killer cell activation and proliferation. This cytokine and interleukine 2 share many biological activities. They are found to bind common hematopoietin receptor subunits, and may compete for the same receptor, and thus negatively regulate each other's activity. The number of CD8+ memory cells is shown to be controlled by a balance between this cytokine and IL2. This cytokine induces the activation of JAK kinases, as well as the phosphorylation and activation of transcription activators STAT3, STAT5, and STAT6. Studies of the mouse counterpart suggested that this cytokine may increase the expression of apoptosis inhibitor BCL2L1/BCL-x(L), possibly through the transcription activation activity of STAT6, and thus prevent apoptosis. Two alternatively spliced transcript variants of this gene encoding the same protein have been reported.
Product Categories/Family for anti-IL15 antibody	Polyclonal; Signal Proteins; Lymphocyte Signaling; Drugs and Drug Metabolism; Apoptosis; Phosphorylation; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	26787984
NCBI GeneID	3600
NCBI Accession #	NP_751914
NCBI GenBank Nucleotide #	NM_172174
UniProt Accession #	P40933
Molecular Weight	13kDa
NCBI Official Synonym Full Names	interleukin 15
NCBI Official Symbol	IL15
NCBI Official Synonym Symbols	IL-15
NCBI Protein Information	interleukin-15
UniProt Protein Name	Interleukin-15
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15
UniProt Entry Name	IL15_HUMAN

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.