

Datasheet for ABIN634483
anti-IL-15 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	IL-15 (IL15)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-15 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	IL15 antibody was raised using the N terminal of IL15 corresponding to a region with amino acids RISKPHLRISISIQCYLCLLLNSHFLTEAGIHVFILGCF SAGLPKTEANWV
Specificity:	IL15 antibody was raised against the N terminal of IL15
Purification:	Affinity purified

Target Details

Target:	IL-15 (IL15)
Alternative Name:	IL15
Background:	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

Target Details

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.

Molecular Weight: 13 kDa (MW of target protein)

Pathways: [JAK-STAT Signaling](#), [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: WB: 1 µg/mL
Optimal conditions should be determined by the investigator.

Comment: IL15 Blocking Peptide, (ABIN5614168), is also available for use as a blocking control in assays to test for specificity of this IL15 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of IL15 antibody in PBS

Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Western Blotting

Image 1. IL15 antibody used at 1 ug/ml to detect target protein.