

Datasheet for ABIN6990634
anti-IL-27 antibody (AA 80-130)



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Overview

Quantity:	0.1 mg
Target:	IL-27 (IL27)
Binding Specificity:	AA 80-130
Reactivity:	Mouse, Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-27 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Anti-IL-27 antibody was raised against a peptide corresponding to 14 amino acids near the center of human IL-27. The immunogen is located within amino acids 80 - 130 of IL-27.
Isotype:	IgG
Purification:	IL-27 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	IL-27 (IL27)
Alternative Name:	IL-27 (IL27 Products)
Background:	IL-27 Antibody: Like interleukin-23 (IL-23), IL-27 is a recently discovered member of the IL-6/IL-12 family of proinflammatory and immunoregulatory cytokines. It exists as a heterodimer composed of the p40-related protein EBI3 and an IL-12 p35-related protein termed p28. IL-27 is

Target Details

produced after activation by antigen-presenting cells and induces proliferation of naive but not memory CD4+ T-cells. It acts by binding to its receptor WSX-1 and gp130 which results in the activation of a Jak/STAT signaling cascade, suggesting the IL-27 is involved in the regulation of immune processes. It has been suggested that IL-27 can also be used as a therapeutic agent against cancer as it can also induce tumor-specific anti-tumor activity mediated through CD8+ T-cells, IFN-gamma, and T-bet.

Molecular Weight: Predicted: 28 kDa

Observed: 28 kDa

Gene ID: 246778

NCBI Accession: [NP_663634](#)

UniProt: [Q8NEV9](#)

Application Details

Application Notes: WB: 2-4 µg/mL.

Antibody validated: Western Blot in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: IL-27 Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: IL-27 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.