

IL-33 Polyclonal Antibody

Catalog No: YT5487

Reactivity: Human; Rat; Mouse;

Applications: WB;IHC;IF;ELISA

Target: IL-33

Fields: >>Cytokine-cytokine receptor interaction;>>Necroptosis;>>Cytosolic DNA-

sensing pathway;>>Influenza A

Gene Name: IL33

Protein Name: Interleukin-33

O95760

Q8BVZ5

Human Gene Id: 90865

Human Swiss Prot

No:

Mouse Gene Id: 77125

Mouse Swiss Prot

No:

Rat Gene Id: 361749

Rat Swiss Prot No: Q66H70

Immunogen: The antiserum was produced against synthesized peptide derived from the

Internal region of human IL33. AA range:121-170

Specificity: IL-33 Polyclonal Antibody detects endogenous levels of IL-33 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200

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Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

-15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:**

Observed Band: 31kD

Cytosolic DNA-sensing pathway; **Cell Pathway:**

Background: The protein encoded by this gene is a cytokine that binds to the IL1RL1/ST2

> receptor. The encoded protein is involved in the maturation of Th2 cells and the activation of mast cells, basophils, eosinophils and natural killer cells. Several transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeq, Sep 2015],

Function: caution: Was originally (PubMed:12819012) thought to one of the key factors that

controls the specialized post-capillary high endothelial venules (HEV) phenotype

found in organized secondary lymphoid tissue and to be nuclear

localized..function:Cytokine that binds to and signals through IL1RL1/ST2 and its

stimulation recruits MYD88, IRAK1, IRAK4, and TRAF6, followed by

phosphorylation of MAPK3/ERK1 and/or MAPK1/ERK2, MAPK14, and MAPK8. Induces T helper type 2-associated cytokines., PTM: Proteolytically converted to a

mature form by CASP1., similarity: Belongs to the IL-1 family. Highly

divergent., tissue specificity: Expressed at high level in high endothelial venules found in tonsils, Peyer patches and mesenteric lymph nodes. Almost undetectable

in placenta.,

Subcellular Nucleus . Chromosome . Cytoplasm . Cytoplasmic vesicle, secretory vesicle . Location:

Secreted . Associates with heterochromatin and mitotic chromosomes

(PubMed:17185418). The secretion is dependent on protein unfolding and facilitated by the cargo receptor TMED10; it results in protein translocation from

the cytoplasm into the ERGIC (endoplasmic reticulum-Golgi intermediate compartment) followed by vesicle entry and secretion (PubMed:32272059). .

Expression: Expressed at high level in high endothelial venules found in tonsils, Peyer

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Tag: orthogonal

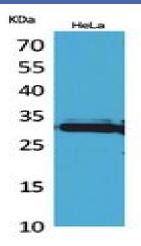
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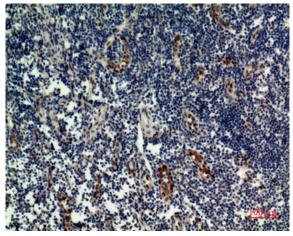
Rabbit Host:

Modifications: Unmodified

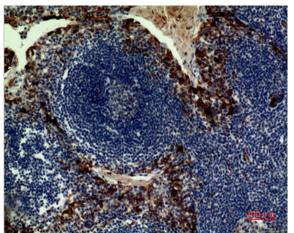
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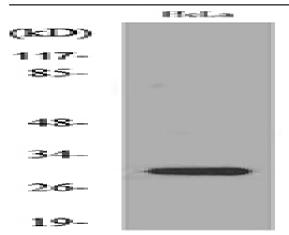
Western Blot analysis of HeLa cells using IL-33 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded humantonsilla, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded humantonsilla, antibody was diluted at 1:100



Western blot analysis of lysate from HeLa cells, using IL33 Antibody.