

IL-33 Polyclonal antibody

Catalog Number: 28035-1-AP

Basic Information

Catalog Number:

28035-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27846

GenBank Accession Number:

NM_001164724

GeneID (NCBI):

77125

UNIPROT ID:

Q8BVZ5

Full Name:

interleukin 33

Calculated MW:

30 kDa

Observed MW:

30-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse, rat

Positive Controls:

WB : mouse lung tissue, mouse colon tissue, rat lung tissue

Background Information

Interleukin-33 (IL-33) is a tissue-derived nuclear cytokine from the IL-1 family abundantly expressed in endothelial cells, epithelial cells and fibroblast-like cells, both during homeostasis and inflammation. IL-33 activates many immune cell types involved in type-2 immunity and allergic inflammation, including ILC2s, mast cells, Th2 cells, eosinophils, basophils, dendritic cells and alternatively activated macrophages (AAM). As a cytokine, IL-33 interacts with the receptors ST2 (also known as IL1RL1) and IL-1 Receptor Accessory Protein (IL1RAP), activating intracellular molecules in the NF- κ B and MAP kinase signaling pathways that drive production of type 2 cytokines (e.g. IL-5 and IL-13) from polarized Th2 cells. IL-33 is also effective in reversing Alzheimer-like symptoms in APP/PS1 mice, by reversing the buildup and preventing the new formation of amyloid plaques. IL-33 is synthesized as a 30-34 kD full-length form and 20 kDa form mature form.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

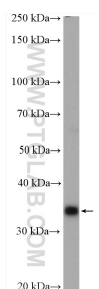
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Selected Validation Data



mouse lung tissue were subjected to SDS PAGE followed by western blot with 28035-1-AP (il33 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.