

Product datasheet for **AP08936PU-N**

IL33 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 1 µg/ml.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated corresponding to a 19 amino acid peptide from near the center of Human IL33.
Specificity:	This antibody recognizes Interleukin-33 (IL33).
Formulation:	PBS containing 0.02% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 33
Database Link:	Entrez Gene 90865 Human O95760



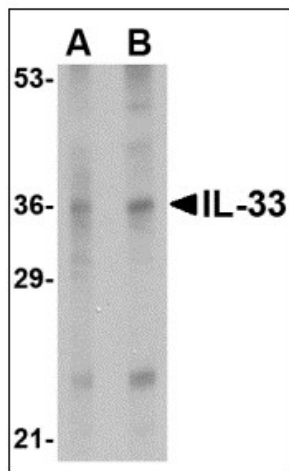
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Background:

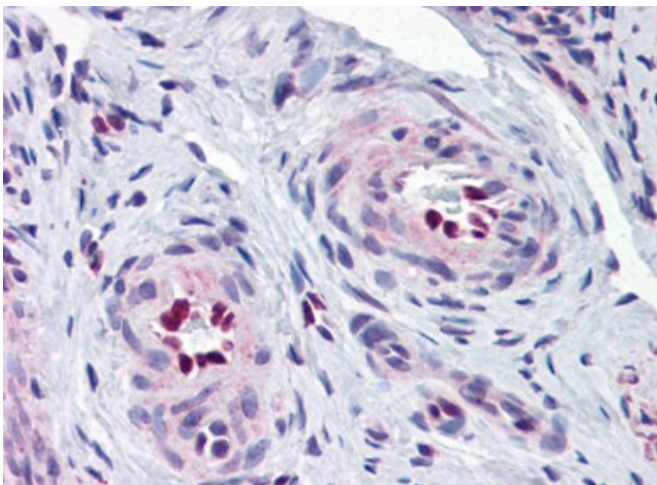
IL33 is a cytokine which belongs to the IL-1 superfamily, and it induces helper T cells to produce type 2 cytokines. This cytokine was previously named NF-HEV 'nuclear factor (NF) in high endothelial venules' (HEVs), as it was originally identified in these specialized cells. IL33 mediates its biological effects by interacting with the receptors ST2 and IL-1 Receptor Accessory Protein, activating intracellular molecules in the NF-kappaB and MAP kinase signaling pathways that drive production of type 2 cytokines (e.g. IL-4, IL-5 and IL-13) from polarized Th2 cells. The induction of type 2 cytokines by IL-33 in vivo is believed to induce the severe pathological changes observed in mucosal organs following administration of IL33.

Synonyms:

IL-33, IL1F11, IL-1F11, NFHEV, NF-HEV, C9orf26

Product images:


Western blot analysis of IL-33 in human lymph node tissue lysate with IL-33 antibody at (A) 1 and (B) 2 ug/ml.



Uterus, vessels: Formalin-Fixed, Paraffin-Embedded (FFPE)