

Product datasheet for **AP32086PU-N**

IL33 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	Sandwich ELISA: To detect Human IL-33 by Sandwich ELISA (using 100µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Human IL-33 antibody (Cat.-No AP32086BT-S or AP32086BT-N) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human IL-33. Western Blot: To detect Human use this antibody at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Human IL-33 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions. Neutralization: To yield one-half maximal inhibition [ND ₅₀] of the biological activity of Human IL-33 (1.0 ng/ml), a concentration of 0.2-0.4 µg/ml of this antibody is required. Immunohistochemistry on Paraffin Sections: 0.125-0.25 µg/ml with overnight incubation at 4°C. Staining of Formalin-Fixed, Paraffin Embedded Sections of Human breast malignant ductal adenocarcinoma using an HRP labeled polymer detection system with a DAB Chromogen. Heat induced antigen retrieval with a pH 6.0 Sodium Citrate buffer is recommended. <i>Tissue samples were provided by the Cooperative Human Tissue Network, which is funded by the National Cancer Institute.</i>
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived recombinant Human Interleukin 33 (Cat.-No AR20007PU)
Specificity:	This antibody detects Human Interleukin-33. Other species not tested.
Formulation:	PBS, pH 7.2 without preservatives State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized hIL-33 matrix
Conjugation:	Unconjugated



[View online »](#)

Storage: Prior to reconstitution store at 2-8°C.
Following reconstitution store 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.

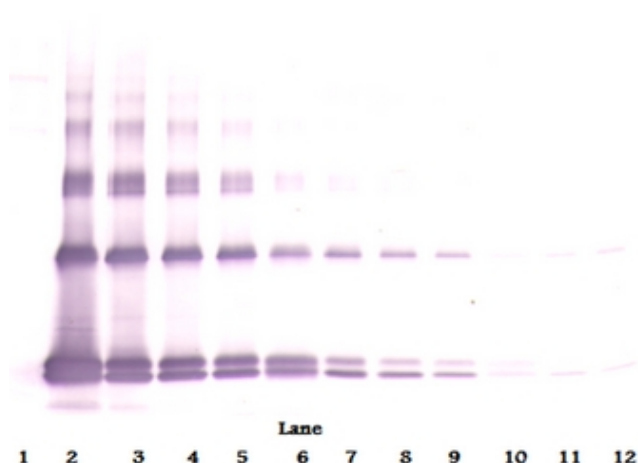
Gene Name: interleukin 33

Database Link: [Entrez Gene 90865 Human
O95760](#)

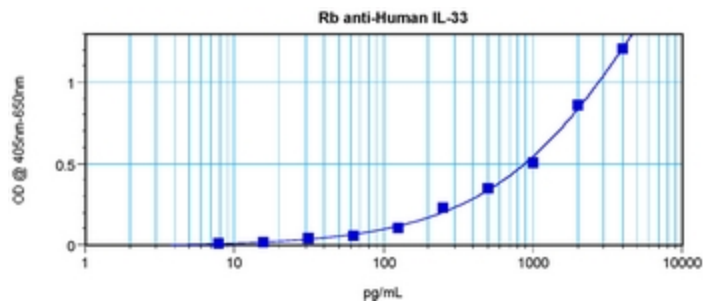
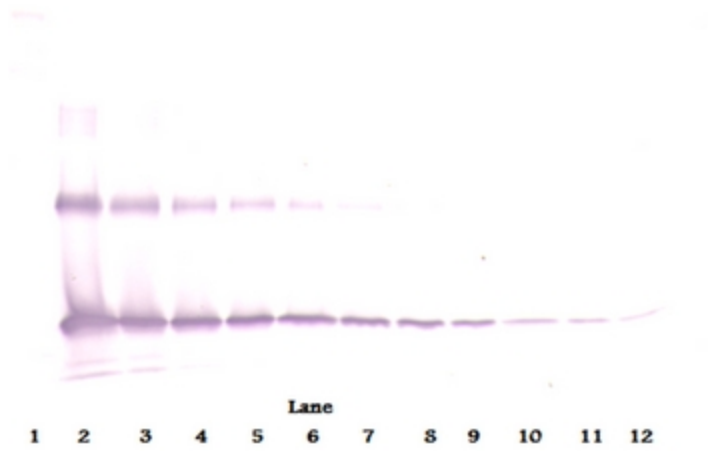
Background: Interleukin 33 (IL-33) is a 32 kDa proinflammatory cytokine and intracellular nuclear factor with transcriptional regulatory properties. IL-33 is structurally related to IL-1, which induces helper T-cells to produce type 2 cytokines and acts through the receptor IL1RL-1 (IL1 receptor-like-1), which is known also as ST2. Binding of IL-33 to this receptor activates NF-kappa-B and MAP kinases and induces in vitro Th2 cells to produce cytokines. In vivo, IL-33 induces expression of IL-4, IL-5, IL-13 and leads to severe pathological changes in mucosal organs and in vitro, it can be divided to N-terminal fragment of 12 kDa and C-terminal fragment of 18kDa by cleavage of caspase-1.

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

Product images:

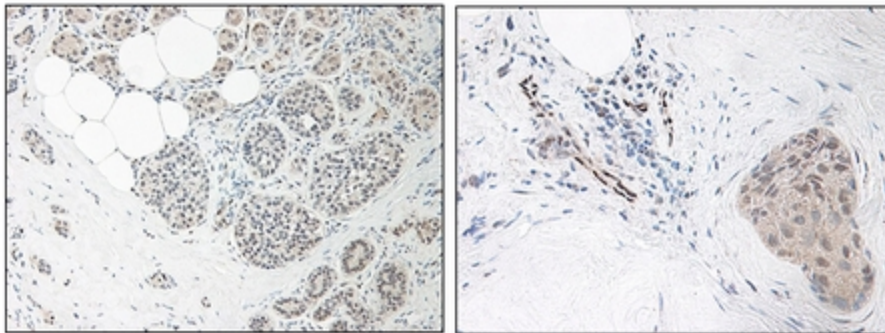


Western Blot unreduced using Interleukin-33 antibody Cat.-No AP32086PU



Western Blot reduced using Interleukin-33 antibody Cat.-No AP32086PU

Sandwich ELISA using Interleukin-33 antibody Cat.-No AP32086PU



Formalin-Fixed, Paraffin-Embedded Sections of human breast malignant ductal adenocarcinoma stained with Interleukin-33 antibody Cat.-No AP32086PU