

Datasheet for ABIN678638

anti-IL-33 antibody (AA 1-111)**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	IL-33 (IL33)
Binding Specificity:	AA 1-111
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL-33 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IL-33
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by Protein A.

Target Details

Target:	IL-33 (IL33)
Alternative Name:	IL-33 (IL33 Products)

Target Details

Background: Synonyms: Interleukin-33/Nuclear factor from high endothelial venules, IL33, C9orf26, CHROMOSOME 9 OPEN READING FRAME 26, DKFZp586H0523, DVS27, DVS27 related protein, IL 1F11, IL 33, IL1F11, Interleukin 1 family member 11, Interleukin 33, INTERLEUKIN 33 NFHEV, Interleukin 33 precursor, Interleukin33, NF HEV, NFEHEV, NFHEV, Nuclear factor from high endothelial venules, RP11 575C20.2 IL33_HUMAN.

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 the severe pathological changes observed in mucosal organs following administration of IL33.

Gene ID: 90865

UniProt: [O95760](#)

Pathways: [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000
IHC-P 1:200-400
IHC-F 1:100-500
IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

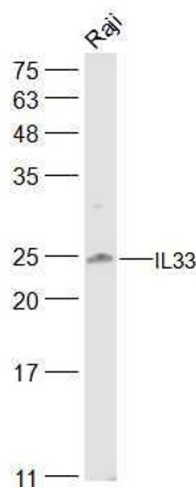
Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Saied, El-Etreby: "The role and prognostic value of inducible nitric oxide synthase (iNOS) and interleukin-33 (IL-33) in serous and mucinous epithelial ovarian tumours." in: Annals of diagnostic pathology , Vol. 27, pp. 62-68, (2017) (PubMed).
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Images



Western Blotting

Image 1. Raji lysates probed with IL33 Polyclonal Antibody, Unconjugated at 1:500 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.