

Anti-IL-33 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

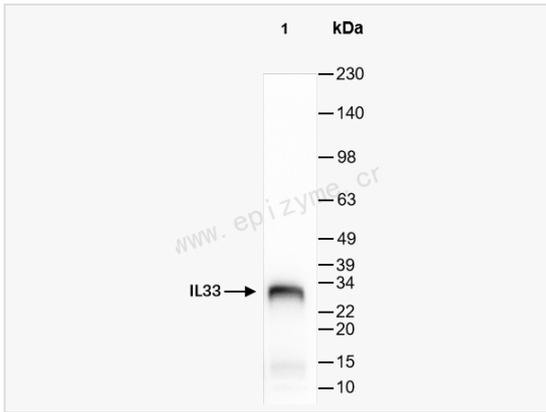
Catalog # R015336

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	46F16L65
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of mouse IL33
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-IL-33 Rabbit mAb [46F16L65] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	C9orf26; CHROMOSOME 9 OPEN READING FRAME 26; DKFZp586H0523; DVS27; DVS27 related protein; IL 1F11; IL 33; IL-1F11; IL-33; IL1F11; IL33; IL33_HUMAN; Interleukin 1 family member 11; Interleukin 33; INTERLEUKIN 33 NFHEV; Interleukin 33 precursor; Interleukin-1 family member 11; Interleukin-33 (109-270); Interleukin33; NF HEV; NF-HEV; NFEHEV; NFHEV; Nuclear factor for high endothelial venules; Nuclear factor from high endothelial venules; OTTHUMP00000021041; RP11 575C20.2.
Calculated MW	Calculated MW: 30 kDa; Observed MW: 30 kDa
Uniprot ID	Q8BVZ5
Gene ID	77125
Background	Cytokine that binds to and signals through the IL1RL1/ST2 receptor which in turn activates NF-kappa-B and MAPK signaling pathways in target cells. Involved in the maturation of Th2 cells inducing the secretion of T-helper type 2-associated cytokines. Also involved in activation of mast cells, basophils, eosinophils and natural killer cells. Acts as a chemoattractant for Th2 cells, and may function as an "alarmin", that amplifies immune responses during tissue injury.
Cellular Location	Nucleus. Chromosome. Cytoplasmic vesicle, secretory vesicle. Secreted. Associates with heterochromatin and mitotic chromosomes (PubMed:17185418).
Tissue Location	Expressed at high level in high endothelial venules found in tonsils, Peyer patches and mesenteric lymph nodes. Almost undetectable in placenta.



Western Blot - Anti-IL-33 Rabbit mAb [46F16L65]

All lanes: R015336 at 1:1,000 dilution

Lane 1: Rat lymph whole tissue lysates

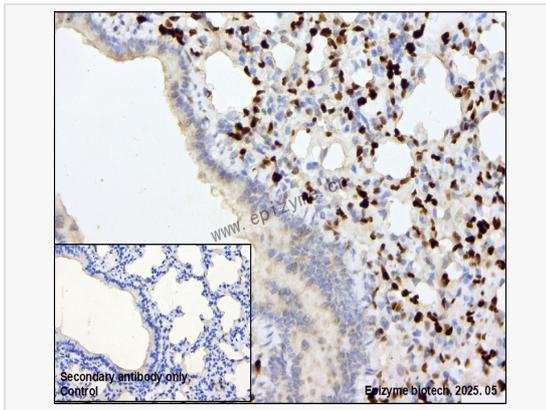
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 30 kDa

Observed band size: 30 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-IL-33 Rabbit mAb [46F16L65]

Sample: Paraformaldehyde-fixed, paraffin embedded rat lung tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015336 at 1:200 dilution

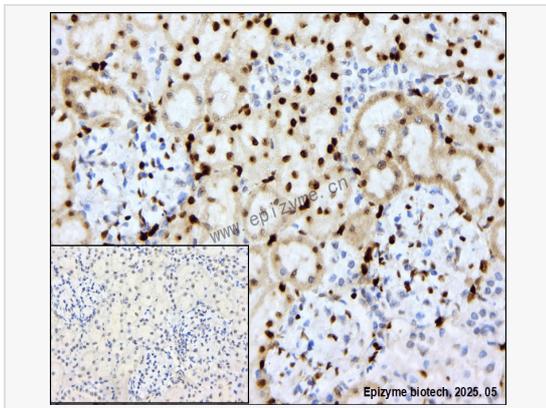
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-IL-33 Rabbit mAb [46F16L65]

Sample: Paraformaldehyde-fixed, paraffin embedded rat kidney tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015336 at 1:200 dilution

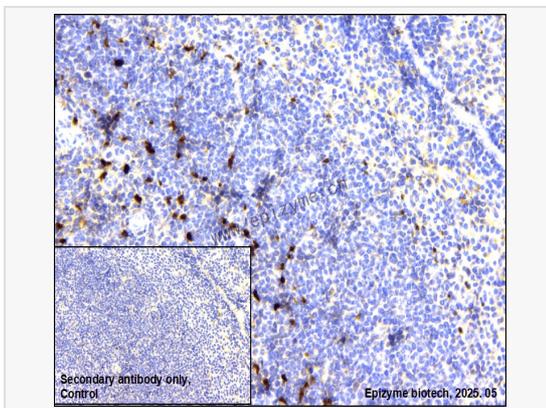
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-IL-33 Rabbit mAb [46F16L65]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse spleen tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R015336 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.