

Product Datasheet

IL33 Antibody (orb1239503)

Catalog Number	orb1239503
Category	Antibodies
Description	IL33 Antibody
Target	IL33
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse
Predicted Reactivity	Rat
Form/Appearance	Liquid
Concentration	1 mg/mL
Buffer/Preservatives	IL-33 Antibody is supplied in PBS containing 0.02% sodium azide.
Purification	IL-33 Antibody is affinity chromatography purified via peptide column.
Immunogen	Anti-IL-33 antibody (orb1239503) was raised against a 17 amino acid synthetic peptide from near the center of human IL-33. The immunogen is located within the 150-200 amino acids of IL-33.
UniProt ID	O95760
MW	Predicted: 31kD Observed: 33kD

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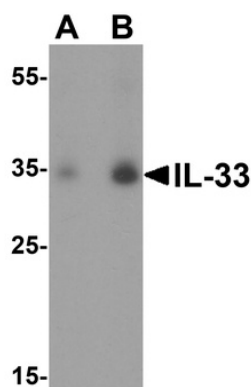
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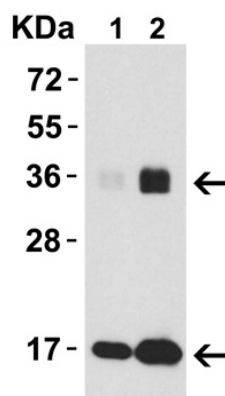
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Tested applications	ELISA, IF, IHC-P, WB
Antibody Type	Primary Antibody
Modifications	None
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
NCBI	NP_254274
Expiration Date	12 months from date of receipt.



Western Blot Validation of IL-33 in A20 Cells. Loading: 15 µg of lysates per lane. Antibodies: IL-33, orb1239503, 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane A: 1 µg/mL, Lane B: 2 µg/mL.



Western Blot Validation of IL-33 with Human Recombinant Protein. Loading: 5ng (1) and 25ng (2) of IL-33 partial human recombinant protein. Antibodies: IL-33, orb1239503, 1 µg/mL, 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. IL-33 partial human recombinant protein: 112-270aa, 17.9kD, 36kD band is the dimer.

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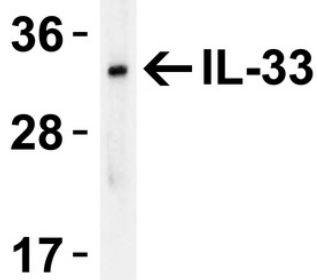
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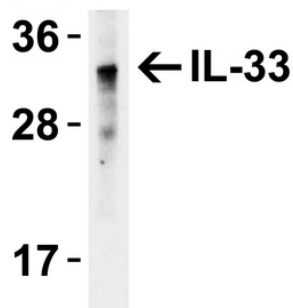
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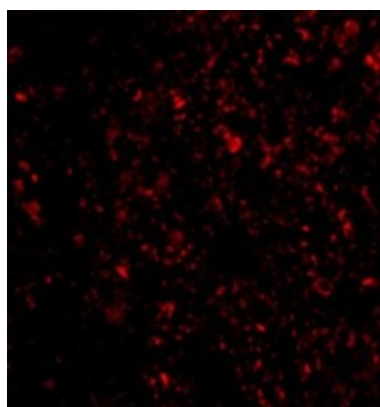
KDa

Western Blot Validation of IL-33 in Human Lymph Node.

Loading: 15. µg of human lymph node lysate. Antibodies: IL-33, orb1239503, 2 µg/mL, 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.

KDa

Western Blot Validation of IL-33 in Human Lung. Loading: 15. µg of human lung lysate. Antibodies: IL-33, orb1239503, 2 µg/mL, 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunofluorescence Validation of IL-33 in Human Lymph Node. Immunofluorescent analysis of 4% paraformaldehyde-fixed human lymph node tissue labeling IL-33 with orb1239503 at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).

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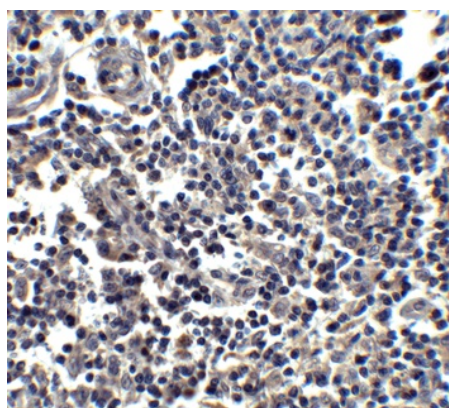
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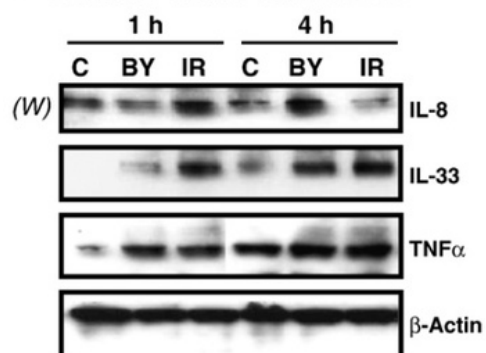
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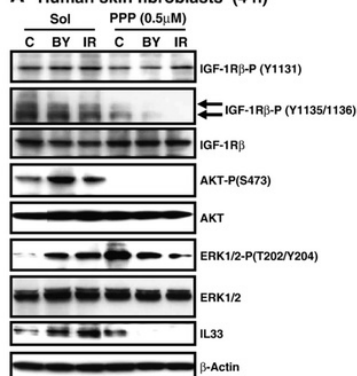
Immunohistochemistry Validation of IL-33 in Human Lymph Node. Immunohistochemical analysis of paraffin-embedded human lymph node tissue using anti-IL-33 antibody (orb1239503) at 2.5 µg/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4°C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

A Human Skin Fibroblasts



Induced Expression Validation of IL-33 in Human Skin Fibroblasts (Ivanov et al., 2010). Protein expression of IL-33 in human skin fibroblasts following alpha-irradiation were detected by anti-IL-33 antibodies. IL-33 levels were increased 1-4 h after α-irradiation.

A Human skin fibroblasts (4 h)



Regulated Expression Validation of IL-33 in Human Skin Fibroblasts (Ivanov et al., 2010). Protein expression of IL-33 in human skin fibroblasts following alpha-irradiation were detected by anti-IL-33 antibodies. IL-33 levels were increased after α-irradiation, which were inhibited by treatment of PPP.

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