Product Datasheet

IL-32 Antibody - BSA Free
NBP1-76684

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-76684

IL-32 Antibody - BSA Free

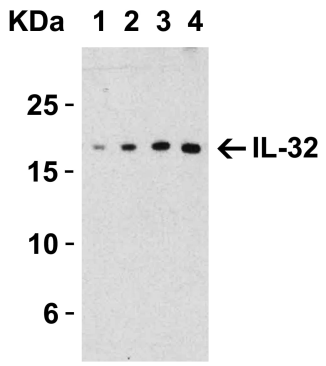
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	26 kDa

Product Description	
Description	Novus Biologicals Rabbit IL-32 Antibody - BSA Free (NBP1-76684) is a polyclonal antibody validated for use in IHC, WB, ELISA, Flow and ICC/IF. Anti-IL-32 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9235
Gene Symbol	IL32
Species	Human
Specificity/Sensitivity	This antibody detects all isoforms of IL-32. Human IL-32 has 7 isoforms, including isoform 1 (234aa, 27 kDa), isoform 2 (188aa, 22 kDa), isoform 3 (178aa, 21 kDa), isoform 4 (131aa, 15 kDa), isoform 5 (168aa, 19 kDa), isoform 6 (179aa, 21 kDa) and isoform 7 (148aa, 17 kDa). NBP1-76684 can detect all human isoforms.
Immunogen	Antibody was raised against a peptide corresponding to 15 amino acids near the carboxy terminus of human IL-32. The immunogen is located within the last 50 amino acids of IL-32. Amino Acid Sequence: YGAPRGDKEELTPQK

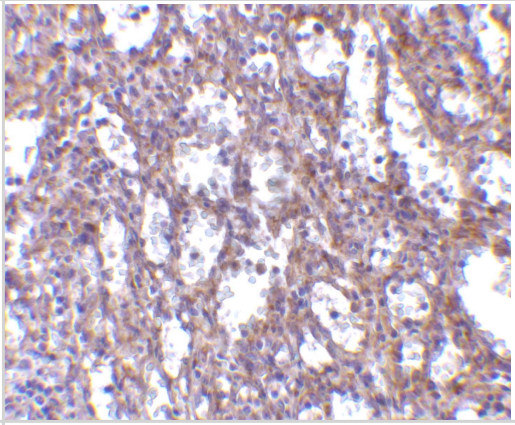
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.5 - 4 ug/mL, Flow Cytometry, ELISA 1:100 - 1:2000, Immunohistochemistry 2-10 ug/mL, Immunocytochemistry/ Immunofluorescence 20 ug/mL, Immunohistochemistry-Paraffin 5 ug/mL
Application Notes	Use in FLOW reported in scientific literature (PMID: 30641867).

Images

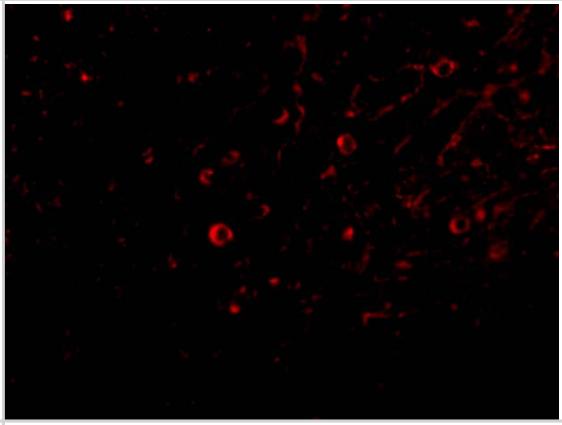
Western Blot: IL-32 Antibody - BSA Free [NBP1-76684] - **Figure 1 Western Blot Validation with Recombinant Protein**
Loading: 30 ng of human IL-32 recombinant protein per lane. Antibodies: IL-32, (Lane 1: 0.5 u/mL, Lane 2: 1 u/mL, Lane 3: 2 u/mL and Lane 4: 4 u/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Observed at around 17kD.



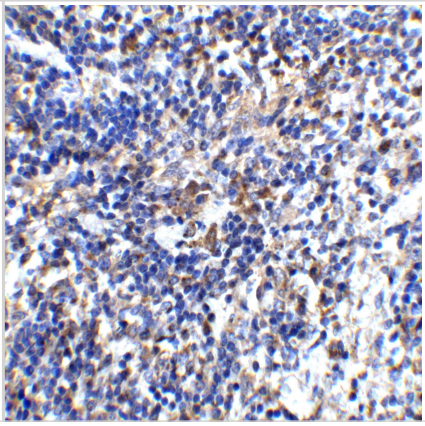
Immunohistochemistry: IL-32 Antibody - BSA Free [NBP1-76684] - Validation of IL-32 in Human Spleen Tissue. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-IL-32 antibody at 10 ug/ml. Tissue was fixed with formaldehyde and blocked with 10% serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



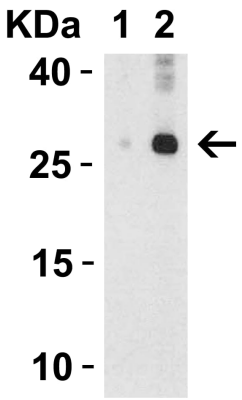
Immunocytochemistry/ Immunofluorescence: IL-32 Antibody - BSA Free [NBP1-76684] - Figure 4 Immunofluorescence Validation of IL-32 in Human Spleen Cells Immunofluorescent analysis of 4% paraformaldehyde-fixed human spleen cells labeling IL-32 with at 20 u/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



Immunohistochemistry: IL-32 Antibody - BSA Free [NBP1-76684] - Figure 5 Immunohistochemistry Validation of IL-32 in Mouse Spleen Tissue Immunohistochemical analysis of paraffin-embedded mouse spleen tissue using anti-IL-32 antibody at 2 u/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 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.



Western Blot: IL-32 Antibody - BSA Free [NBP1-76684] - Validation in Human Spleen Lysate, showing two isoforms of IL-32 Loading: 15 ug of lysates per lane. Antibodies: IL-32, (lane 1: 2 ug/mL and lane 2: 4 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Publications

Casu Beatrice, Dondero Alessandra, Regis Stefano et al. Novel Immunoregulatory Functions of IL-18, an Accomplice of TGF-beta 1. Scientific Reports 2019-01-11 [PMID: 30641867] (FLOW, Human)

Frew John W, Hawkes Jason E, Krueger James G A systematic review and critical evaluation of immunohistochemical associations in hidradenitis suppurativa. F1000Research 2019-06-25 [PMID: 31281635] (IF/IHC, Human)

Thomi R, Yerly D, Yawalkar N et al. Interleukin-32 is highly expressed in lesions of hidradenitis suppurativa. Br. J. Dermatol. 2017-03-16 [PMID: 28301691] (ELISA, Human)

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Products Related to NBP1-76684

NBP1-76684PEP	IL-32 Antibody Blocking Peptide
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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