

Product Datasheet

IL-23A/IL-23 P19 Antibody - BSA Free NBP1-77257

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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Publications: 2

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NBP1-77257

IL-23A/IL-23 P19 Antibody - BSA Free

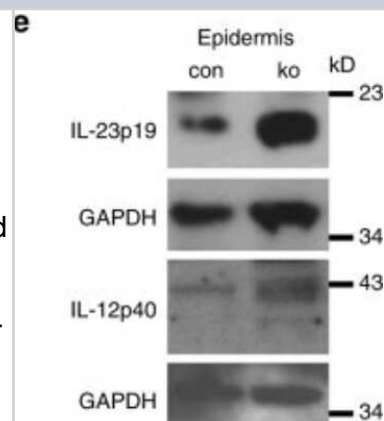
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	22 kDa

Product Description	
Description	Novus Biologicals Rabbit IL-23A/IL-23 P19 Antibody - BSA Free (NBP1-77257) is a polyclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-IL-23A/IL-23 P19 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	51561
Gene Symbol	IL23A
Species	Human
Immunogen	Antibody was raised against a peptide corresponding to 14 amino acids near the carboxy terminus of mature human IL-23. The immunogen is located the last 50 amino acids of IL-23.

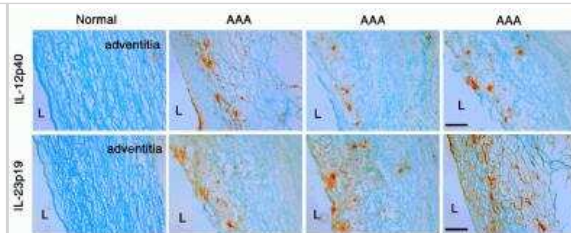
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1-4 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 5 ug/ml, Immunocytochemistry/ Immunofluorescence 10-20 ug/mL, Immunoprecipitation, Immunohistochemistry-Paraffin 5 ug/ml
Application Notes	Use in immunoprecipitation reported in scientific literature (PMID: 29650963).

Images

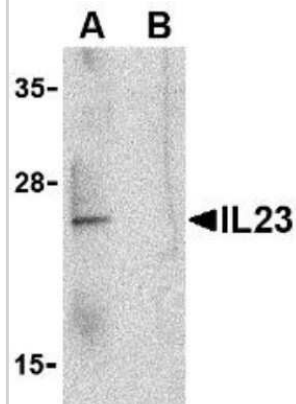
Western Blot: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Increased cytokine expression in N-WASP-null skin. Representative immunoblots and quantification of indicated proteins from epidermal lysates of 7-8-week old con and ko mice (n: 4/4, mean \pm ?SD, two-tailed unpaired t-test). Representative immunoblots and quantification of indicated proteins of co-precipitations of IL-23p19 with IL-12p40 from epidermal lysates of 7-8-week-old con and ko mice (n: 4/4, mean \pm ?SD, two-tailed unpaired t-test; *p?less than or equal ?0.05; **p?less than or equal ? 0.01; ***p?less than or equal ?0.001) Image collected and cropped by CiteAb from the following publication ([//www.nature.com/articles/s41467-018-03704-z](http://www.nature.com/articles/s41467-018-03704-z)) licensed under a CC-BY license.



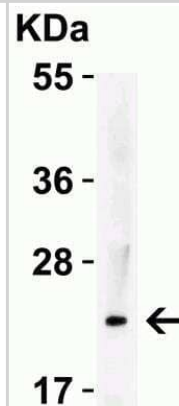
Immunohistochemistry-Paraffin: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Abdominal Aortic Aneurysm (AAA) Tissues (Validation of IL-23 in Human Abdominal Aortic Aneurysm (AAA) Tissues



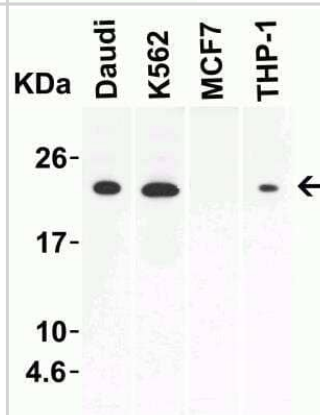
Western Blot: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Western blot analysis of IL-23 in Raji lysate with IL-23 antibody at 1 ug/ml in the (A) absence and (B) presence of blocking peptide.



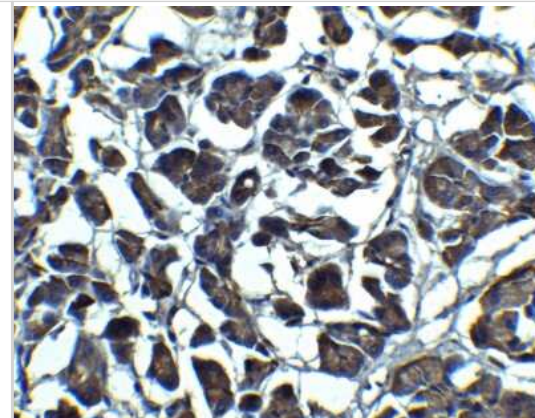
Western Blot: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Loading: 30 ng of human IL-23 recombinant protein. Antibodies: IL-23 (4 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Western Blot: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Loading: 20ug of lysates per lane. Antibodies: IL-23, (2 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



Immunohistochemistry: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Staining of human pancreas tissue with antibody at 5 ug/mL.



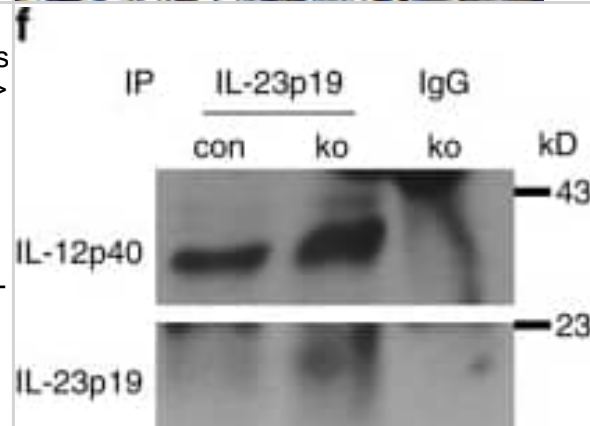
Western Blot: IL-23A/IL-23 P19 Antibody - BSA Free [NBP1-77257] - Increased cytokine expression in N-WASP-null skin. a qRT-PCR analysis of indicated genes from back skin RNA of con & ko at indicated ages (n > = 3/3, two-tailed unpaired t-test). All normalized to GAPDH. b

Representative toluidine blue staining for barrier defect in con & ko mice at indicated ages (P: E15.5 embryos used as positive controls; 2 days (2d) n: 6/5, 6 days(6d) n: 4/5, 3 independent experiments). c

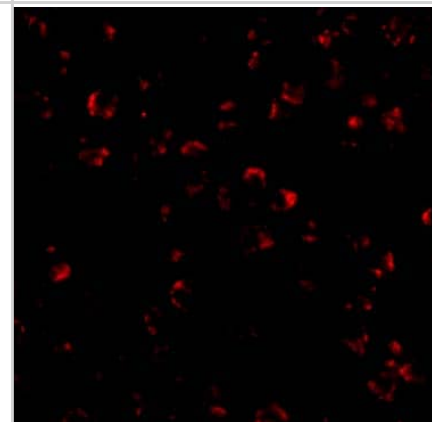
Representative immunofluorescence staining & quantification of IL-23p19 of con & ko back skin at indicated ages (n: 3/3, two-tailed paired t-test). Scale bar: 100 μ m. d Representative sorting strategy of CD45+, α 6H, & α 6L cells from con & ko epidermal cells & qRT-PCR analysis of IL-23A & IL-17A expression in sorted cells (n: 3/3, mean \pm SD, two-tailed unpaired t-test, 3 independent sortings). e Representative immunoblots & quantification of indicated proteins from epidermal lysates of 7–8

-week old con & ko mice (n: 4/4, mean \pm SD, two-tailed unpaired t-test). f Representative immunoblots & quantification of indicated proteins of co-precipitations of IL-23p19 with IL-12p40 from epidermal lysates of 7–8

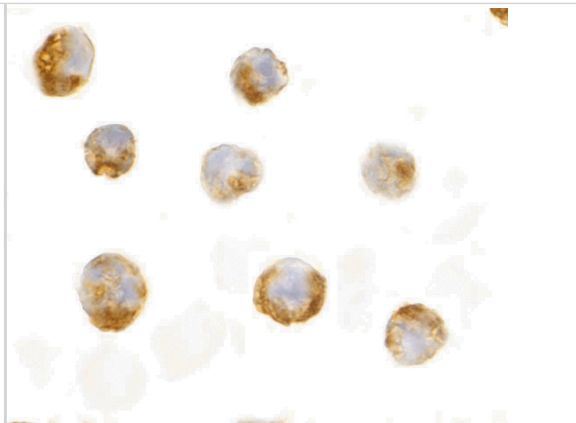
-week-old con & ko mice (n: 4/4, mean \pm SD, two-tailed unpaired t-test; *p \leq 0.05; **p \leq 0.01; ***p \leq 0.001) Image collected & cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-018-03704-z>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



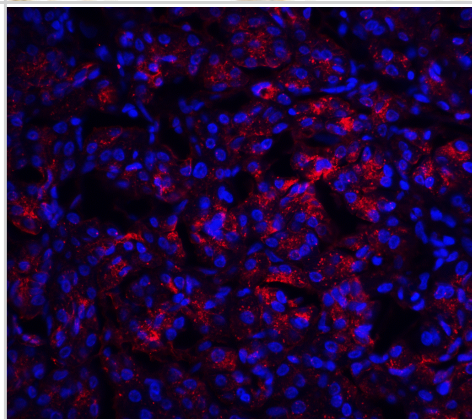
Immunocytochemistry/ Immunofluorescence: IL-23A/IL-23 P19 Antibody - BSA Free [NBP1-77257] - Validation of IL-23A/IL-23 P19 in Raji Cells. Immunofluorescent analysis of 4% paraformaldehyde-fixed Raji Cells labeling IL-23A/IL-23 P19 with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red).



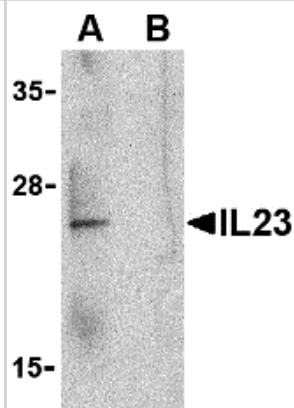
Immunocytochemistry/ Immunofluorescence: IL-23A/IL-23 P19 Antibody - BSA Free [NBP1-77257] - Validation of IL-23A/IL-23 P19 in Raji Cells. Immunocytochemical analysis of Raji cells using anti-IL-23A/IL-23 P19 antibody at 10 ug/ml. Cells was fixed with formaldehyde and blocked with 10% serum for 1 h at 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-23A/IL-23 P19 Antibody - BSA Free [NBP1-77257] - Validation of IL-23A/IL-23 P19 in Human Pancreas Tissue. Immunofluorescent analysis of 4% paraformaldehyde-fixed human pancreas tissue labeling IL-23A/IL-23 P19 with at 20 ug/mL, followed by goat anti-rabbit IgG secondary antibody at 1/500 dilution (red) and DAPI staining (blue).



Western Blot: IL-23A/IL-23 P19 Antibody - BSA Free [NBP1-77257] - Validation in Human Raji Cells. Loading: 15 ug of lysates per lane. Antibodies: IL-23A/IL-23 P19 (1 u/mL), 1h incubation at RT in 5% NFDN/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution. Lane A: Absence of blocking peptide Lane B: Presence of blocking peptide.



Publications

Reiszadeh-Jahromi S, Haddadi M, Mousavi P, Sanadgol N Prophylactic effects of cucurbitacin B in the EAE Model of multiple sclerosis by adjustment of STAT3/IL-23/IL-17 axis and improvement of neuropsychological symptoms Metabolic brain disease 2022-10-26 [PMID: 36287356]

Li H, Yao Q, Mariscal AG et al. Epigenetic control of IL-23 expression in keratinocytes is important for chronic skin inflammation. Nat Commun 2018-04-12 [PMID: 29650963] (IP, Human)



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Products Related to NBP1-77257

NBP1-77257PEP	IL-23A/IL-23 P19 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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