

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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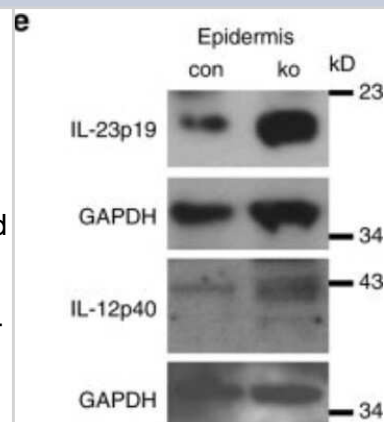
NBP1-77257

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

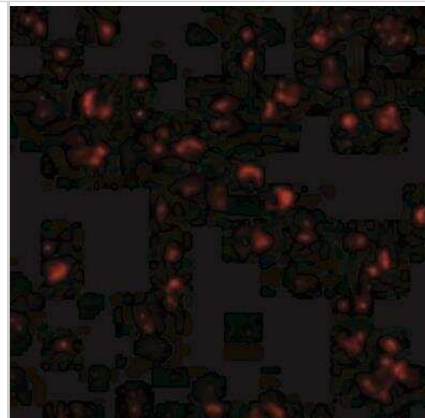
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	22 kDa
Product Description	
Host	Rabbit
Gene ID	51561
Gene Symbol	IL23A
Species	Human, Mouse
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, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, 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

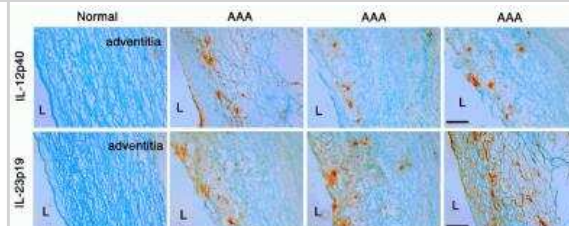
Western Blot: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Increased cytokine expression in N-WASP-null skin. Representative immunoblots and quantification of indicated proteins from epidermal lysates of 7-8-week old con and ko mice (n: 4/4, mean \pm ?SD, two-tailed unpaired t-test). Representative immunoblots 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.



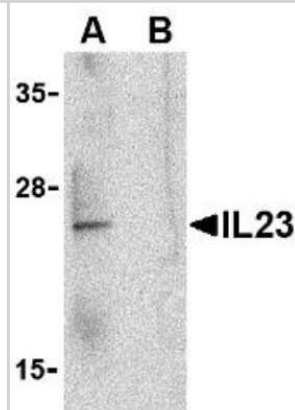
Immunocytochemistry/Immunofluorescence: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Immunofluorescence of IL-23 in Raji cells with IL-23 antibody at 20 ug/mL.



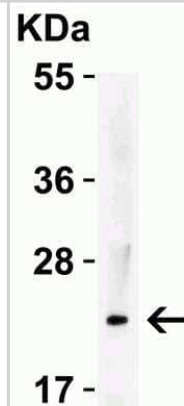
Immunohistochemistry-Paraffin: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Abdominal Aortic Aneurysm (AAA) Tissues (Validation of IL-23 in Human Abdominal Aortic Aneurysm (AAA) Tissues)



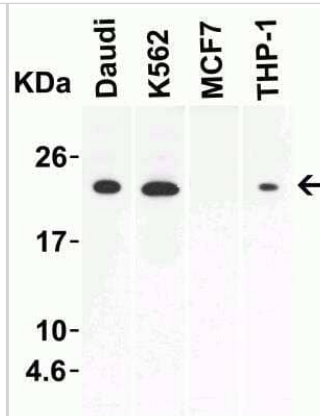
Western Blot: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Western blot analysis of IL-23 in Raji lysate with IL-23 antibody at 1 ug/ml in the (A) absence and (B) presence of blocking peptide.



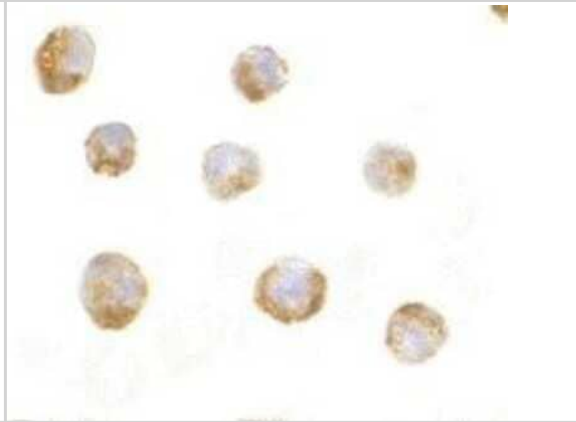
Western Blot: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Loading: 30 ng of human IL-23 recombinant protein. Antibodies: IL-23 (4 ug/mL), 1h incubation at RT in 5% NFDM/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



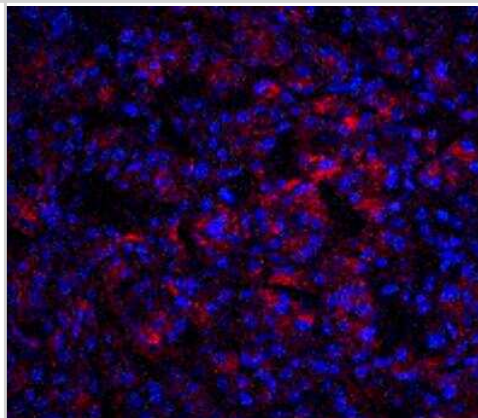
Western Blot: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Loading: 20ug of lysates per lane. Antibodies: IL-23, (2 ug/mL), 1h incubation at RT in 5% NFDm/TBST. Secondary: Goat anti-rabbit IgG HRP conjugate at 1:10000 dilution.



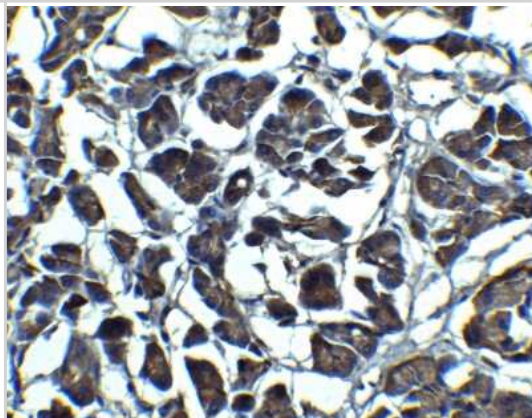
Immunocytochemistry/Immunofluorescence: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Raji cells with IL-23 P19 antibody at 10 ug/ml.



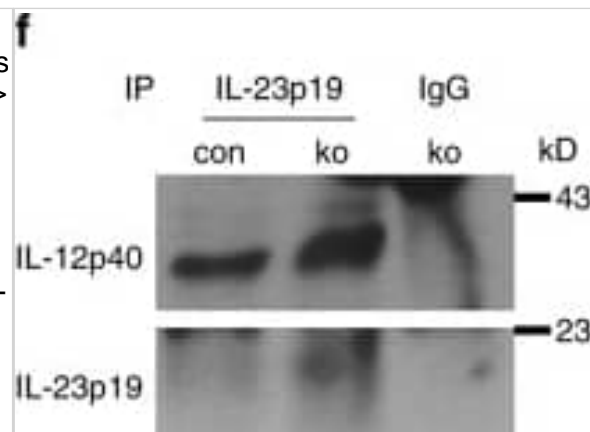
Immunocytochemistry/Immunofluorescence: IL-23A/IL-23 P19 Antibody [NBP1-77257] - Human pancreas tissue with IL-23 antibody at 20 ug/ml.



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.



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
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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