anti-Human, Mouse IL23A / IL-23 p19 Polyclonal Antibody | anti-IL23A antibody

Rabbit Polyclonal to Human IL23A / IL-23 p19

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50714	**IL23A/IL-23 P19 antibody was produced in Rabbit.**	**Human, Mouse**	**ELISA, Western Blot, Immunohistochemistry, Immunohistochemistry**

PRODUCT SYNONYMS

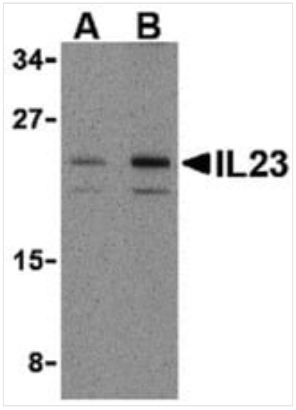
IL23A / IL-23 p19; Polyclonal Antibody; Rabbit Polyclonal to Human IL23A / IL-23 p19; Anti-IL23A / IL-23 p19 Antibody (N-Terminus) IHC-plus; IL23A; IL-23 subunit alpha; IL-23A; Interleukin 23 p19 subunit; Interleukin-23 subunit alpha; IL23P19; Interleukin-23 subunit p19; p19; SGRF; IL-23; IL-23 p19; IL-23-A; IL-23p19; Human IL23A; anti-IL23A antibody

PRODUCT SPECIFICATIONS

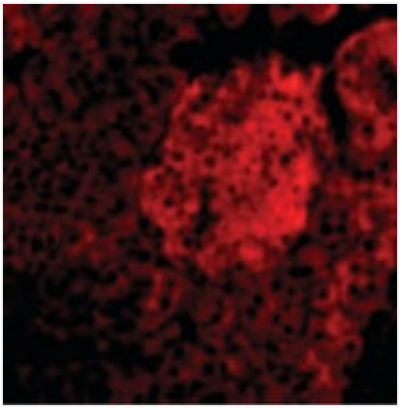
Host	IL23A/IL-23 P19 antibody was produced in Rabbit.
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	16 amino acid peptide from near the amino terminus of human IL-23
Purity/Purification	Peptide Column Affinity Chromatography
Form/Format	PBS containing 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	189
Applicable Applications for anti-IL23A antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target Species	IL23A/IL-23 p19
Immunogen Species	IL23A/IL-23 p19 antibody was raised against Human.
Antigen Type	Synthetic Peptide
Usage	IL-23 antibody can be used for the detection of IL-23 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Western Blot: Predicted: 21 kDa Observed: 23 kDa
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: **Tissue Preparation:** Formalin fixation and embedding in paraffin wax. **Tissue Sectioning:** Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. **Deparaffinization:** Wash dry slides in 3 changes of xylene - 5 minutes each @ RT **Rehydration:** Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT **Antigen retrieval:** Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT **Immunostaining:** (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT **Dehydrate:** (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Note	During shipment,small volumes of product will ocassionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.
Warning	This reagent may contain sodium azide. The chemical, physical, and toxicologial properties of this material have not been thoughly investigated.Standard Laboratory Practices should be followed. Avoid skin and eye contact,inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plubing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation.
Preparation and Storage	Store at 4°C for up to 3 months. store at -20°C for up to 1 year. Avoid repeated freeze/ thaw cycles.

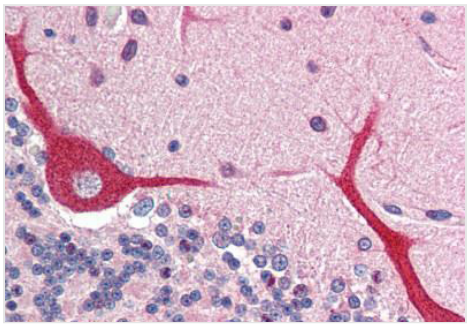
IMAGES



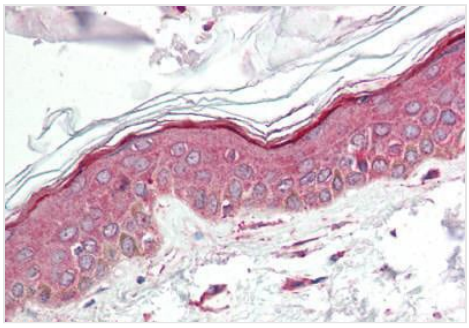
WB (Western Blot)
Western blot of IL-23 in mouse pancreas tissue lysate with IL-23 antibody at (A) 1 and (B) 2 ug/ml.



IF (Immunofluorescence)
Immunofluorescence of IL-23 in Mouse Pancreas cells with IL-23 antibody at 20 ug/ml.



IHC (Immunohiostchemistry)
Anti-IL-23 p19 antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)
Anti-IL-23 p19 antibody IHC of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-IL23A antibody	IL23 p19 (IL23A) is a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is composed of the IL23A subunit and the p40 subunit of interleukin 12 (IL12B). Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naïve CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells.
Product Categories/Family for anti-IL23A antibody	Family: Interleukin

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706702
NCBI GeneID	51561
NCBI Accession #	NP_057668.1
NCBI GenBank Nucleotide #	NM_016584.2
UniProt Accession #	Q9NPF7; Q6NZ80; Q6NZ82; Q9H2A5
NCBI Official Full Name	interleukin-23 subunit alpha
NCBI Official Synonym Full Names	interleukin 23, alpha subunit p19
NCBI Official Symbol	IL23A
NCBI Official Synonym Symbols	P19; SGRF; IL-23; IL-23A; IL23P19

NCBI Protein Information	interleukin-23 subunit alpha; IL-23-A; IL-23p19; IL-23 subunit alpha; interleukin 23 p19 subunit; interleukin-23 subunit p19; JKA3 induced upon T-cell activation; interleukin-six, G-CSF related factor
UniProt Protein Name	Interleukin-23 subunit alpha
UniProt Gene Name	**IL23A**
UniProt Synonym Gene Names	SGRF; IL-23 subunit alpha; IL-23-A; IL-23p19
UniProt Entry Name	IL23A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/polyclonal/il23a-il-23-p19-antibody-western-blot-immunohistochemistry-immunohistochemistry-elisa/50714