

Rabbit anti-Human IL-12A Polyclonal Antibody | anti-IL 12A antibody

IL-12A Antibody

CATALOG # AAA40855	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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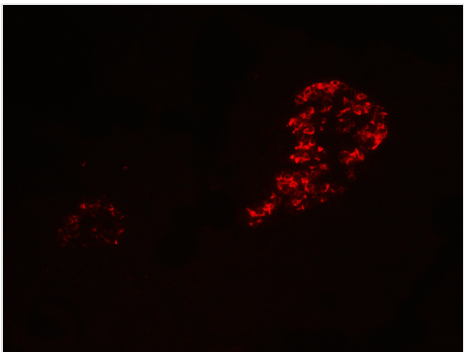
PRODUCT SYNONYMS

IL-12A; Polyclonal Antibody; IL-12A Antibody; Interleukin 12A; Interleukin 12 alpha; p35; natural killer cell stimulatory factor 1; NKSF1; cytotoxic lymphocyte maturation factor 1; CLMF; NF cell stimulatory factor chain 1; NFSK; anti-IL 12A antibody

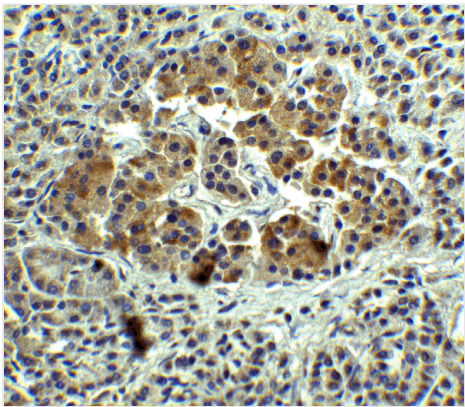
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	IL-12A antibody is human specific. IL-12A antibody will not cross-react with IL-12B.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	253
Applicable Applications for anti-IL 12A antibody	WB (Western Blot), ELISA
Immunogen	IL-12A antibody was raised against an 18 amino acid peptide near the carboxy terminus of human IL-12A.
Buffer	Supplied in PBS containing 0.02% sodium azide.
Positive Control 1	HeLa Cell Lysate
Conjugate	Unconjugated
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year.

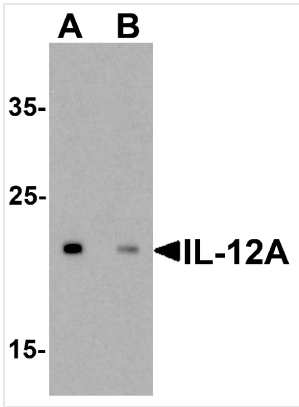
IMAGES



IF (Immunofluorescence)
Immunofluorescence of IL-12A in human pancreas tissue with IL-12A Antibody at 20 μg/mL.



IHC (Immunohistochemistry)
Immunohistochemistry of IL-12A in human pancreas tissue with IL-12A Antibody at 5 μg/mL.



WB (Western Blot)
Western blot analysis of IL-12A in HeLa cell lysate with IL-12A antibody at 0.5 μg/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IL 12A antibody	IL-12A is subunit of the cytokine IL-12 which acts on T- and natural killer cells, and has a broad array of biological activities. IL-12 is a disulfide-linked heterodimer composed of the 35-kD subunit and a 40-kD subunit that is a member of the cytokine receptor family (1). IL-12 is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells (1,2). The responses of lymphocytes to IL-12 are mediated by the activator of transcription protein STAT4 (2). Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity (3).
Product Categories/Family for anti-IL 12A antibody	Immunology; Innate Immunity
References	Gee K, Guzzo C, Che Mat NF, et al. The IL-12 family of cytokines in infection, inflammation and autoimmune disorders. Inflamm. Allergy Drug Targets 2009; 8:40-52. Sinigaglia F, D'Ambrosio D, Panina-Bordignon P, et al. Regulation of the IL-12/IL-12R axis: a critical step in T-helper cell differentiation and effector function. Immunol. Rev. 1999; 170:65-72. Bogdan C, Rollinghoff M, and Diefenbach A. The role of nitric oxide in innate immunity. Immunol. Rev. 2000; 173:17-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24430219
NCBI GeneID	3592
NCBI Accession #	NP_000873

NCBI GenBank Nucleotide #	NM_000882.3
UniProt Accession #	P29459 ; Q96QZ1
Molecular Weight	Predicted: 22 kDa Observed: 22 kDa
NCBI Official Full Name	interleukin-12 subunit alpha
NCBI Official Synonym Full Names	interleukin 12A
NCBI Official Symbol	IL12A
NCBI Official Synonym Symbols	P35; CLMF; NFSK; NKSF1; IL-12A
NCBI Protein Information	interleukin-12 subunit alpha
UniProt Protein Name	Interleukin-12 subunit alpha
UniProt Gene Name	IL12A
UniProt Synonym Gene Names	NKSF1; IL-12A; CLMF p35; NKSF1
UniProt Entry Name	IL12A_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/il-12a-antibody-western-blot-elisa/40855>