

Rabbit anti-Human IL-12 p70/IL12A Polyclonal Antibody | anti-IL12A antibody

Anti-IL-12 p70/IL12A Antibody, Rabbit Polyclonal

CATALOG # AAA254152	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

IL-12 p70/IL12A; Polyclonal Antibody; Anti-IL-12 p70/IL12A Antibody; Rabbit Polyclonal; IL12A/NKSF1 Antibody; Rabbit PAb; Antigen Affinity Purified; interleukin 12A; Anti-CLMF Antibody; Anti-IL-12A Antibody; Anti-NFSK Antibody; Anti-NKSF1 Antibody; Anti-P35 Antibody; anti-IL12A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human IL12A/NKSF1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-IL12A antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human IL12A protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human IL12A (rh IL12A). IL12A IgG was purified by human IL12A affinity chromatography .
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-IL12A rabbit polyclonal antibody at 1:500 dilution Lane A: MOLT4 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 26 kDa Observed band size: 38 kDa (We are unsure as to the identity of these extra bands).



IHC (Immunohistochemistry)

Immunochemical staining of human IL12a in human breast carcinoma with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-IL12A antibody	Interleukin-12 subunit alpha (IL12A/IL-12p35) is also known as Cytotoxic lymphocyte maturation factor 35 kDa subunit, cytotoxic lymphocyte maturation factor 1, p35, NK cell stimulatory factor chain 1, and interleukin-12 alpha chain. IL12A/IL-12p35 is a subunit of a cytokine that acts on T and natural killer cells and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. IL12A/IL-12p35 is required for the T-cell-independent induction of interferon (IFN)-gamma and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity. In clinical, IL-12 remains a very promising immunotherapeutic agent because recent cancer vaccination studies in animal models and humans have demonstrated its powerful adjuvant properties. The immune-modulating characteristics of IL-12 considered responsible for the adjuvant effects, as well as the results of animal and human cancer vaccination studies with IL-12, applied as an adjuvant. IL12A/IL-12p35 indicates a cytokine that is important in the development of prostate cancer.
Product Categories/Family for anti-IL12A antibody	IL12 signaling pathway
References	Sattler HP, et al. (2000) Novel amplification unit at chromosome 3q25-q27 in human prostate cancer. Prostate. 45(3): 207-15.Lamont AG, et al. (1996) IL-12: a key cytokine in immune regulation. Immunol Today. 17(5): 214-7.Portielje JE, et al. (2003) IL-12: a promising adjuvant for cancer vaccination. Cancer Immunol Immunother. 52(3): 133-44.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24430219
NCBI GeneID	3592
NCBI Accession #	NP_000873.2
NCBI GenBank Nucleotide #	NM_000882.3
UniProt Accession #	P29459; Q96QZ1
Molecular Weight	24,874 Da
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; CLMF p35; IL35 subunit; IL-12, subunit p35; interleukin 12, p35; interleukin-12 alpha chain; NF cell stimulatory factor chain 1; NK cell stimulatory factor chain 1; cytotoxic lymphocyte maturation factor 1, p35; cytotoxic lym
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.