10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-IL12A / p35 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17301

Specification

Anti-IL12A / p35 Antibody (C-Terminus) - Product Information

Application	**IHC-P**
Primary Accession	P29459
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**24874**

Anti-IL12A / p35 Antibody (C-Terminus) - Additional Information

Gene ID 3592

Alias Symbol	**IL12A**

Other Names
IL12A, CLMF p35, IL-12, subunit p35, IL-12A, Interleukin-12 alpha chain, NFSK, p35, Interleukin-12 subunit alpha, NKSF1, CLMF, IL-12 subunit p35, IL35 subunit, Interleukin 12, p35

Target/Specificity
IL-12A antibody is human specific. IL-12A antibody will not cross-react with IL-12B.

Reconstitution & Storage
PBS, 0.02% sodium azide. Store at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze thaw cycles.

Precautions
Anti-IL12A / p35 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-IL12A / p35 Antibody (C-Terminus) - Protein Information

Name IL12A

Synonyms NKSF1

Function
Heterodimerizes with IL12B to form the IL-12 cytokine or with EBI3/IL27B to form the IL-35 cytokine (PubMed:8943050, PubMed:8605935). IL-12 is primarily produced by professional antigen-presenting cells (APCs) such as B-cells and dendritic cells (DCs) as well as macrophages and granulocytes and regulates T-cell and natural killer-cell responses, induces the production of interferon-gamma (IFN-gamma), favors the differentiation of T-helper 1 (Th1) cells and is an important link between

innate resistance and adaptive immunity (PubMed:1673147, PubMed:1674604, PubMed:8605935). Mechanistically, exerts its biological effects through a receptor composed of IL12R1 and IL12R2 subunits (PubMed:8943050). Binding to the receptor results in the rapid tyrosine phosphorylation of a number of cellular substrates including the JAK family kinases TYK2 and JAK2 (PubMed:7528775). In turn, recruited STAT4 gets phosphorylated and translocates to the nucleus where it regulates cytokine/growth factor responsive genes (PubMed:7638186). As part of IL-35, plays essential roles in maintaining the immune homeostasis of the liver microenvironment and functions also as an immune-suppressive cytokine (By similarity). Mediates biological events through unconventional receptors composed of IL12RB2 and gp130/IL6ST heterodimers or homodimers (PubMed:22306691). Signaling requires the transcription factors STAT1 and STAT4, which form a unique heterodimer that binds to distinct DNA sites (PubMed:22306691).

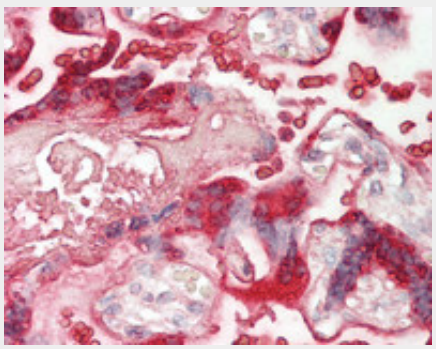
Cellular Location
Secreted

Anti-IL12A / p35 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-IL12A / p35 Antibody (C-Terminus) - Images



Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)