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Anti-IL12A / p35 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17301

Product Information

Application	WB, IHC-P, E
Primary Accession	P29459
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	24874
Concentration (mg/ml)	1 mg/ml

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.

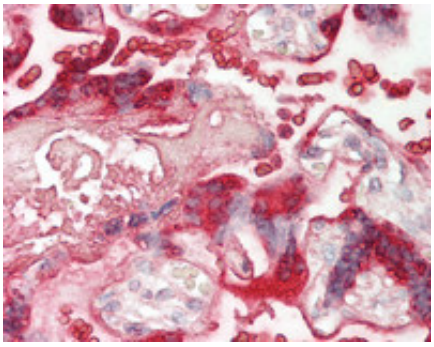
Protein Information

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:8605935, PubMed:8943050). 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 also functions 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

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.