

Anti-IL-12(p40) Antibody

Catalog # ABO10787

Product Information

Application	WB
Primary Accession	P29460
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Interleukin-12 subunit beta(IL12B) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	3593
Other Names	Interleukin-12 subunit beta, IL-12B, Cytotoxic lymphocyte maturation factor 40 kDa subunit, CLMF p40, IL-12 subunit p40, NK cell stimulatory factor chain 2, NKSF2, IL12B, NKSF2
Calculated MW	37169
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Secreted.
Source	Eukaryota
Protein Name	Interleukin-12 subunit beta(IL-12B)
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human IL-12(p40)(23-40aa IWELKKDVYVVELDWYPD).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the type I cytokine receptor family. Type 3 subfamily.

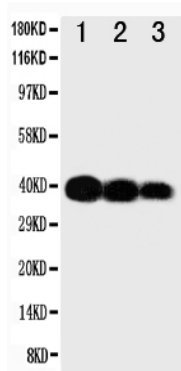
Protein Information

Name	IL12B
Synonyms	NKSF2
Function	Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated killer cells, and stimulate the production of IFN-gamma by resting PBMC.
Cellular Location	Secreted.

Background

IL-12, Interleukin 12, heterodimerizes with the IL12 p35 subunit to form IL12 and with the IL23 p19 subunit to form IL23. IL12b p 40 exists as a monomer and as a homodimer. This gene encodes a subunit of Interleukin 12, a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The IL-12b gene contains 8 exons, the first and last of which are noncoding. By PCR analysis of DNA from rodent/human cell hybrids containing intact chromosomes or translocation chromosomes, the IL-12b gene is mapped to 5q31-q33. This cytokine has been found to be important for sustaining a sufficient number of memory/effector Th1 cells to mediate long-term protection to an intracellular pathogen.

Images



Anti-IL-12(p40) antibody, ABO10787, Western blotting
Lane 1: Recombinant Human IL-12 Protein 10ng
Lane 2: Recombinant Human IL-12 Protein 5ng
Lane 3: Recombinant Human IL-12 Protein 2.5ng

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