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Datasheet for ABIN654420
anti-IL12B antibody (C-Term)

3 Images

Overview

Quantity:	400 µL
Target:	IL12B
Binding Specificity:	AA 264-290, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IL12B antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This IL12B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 264-290 amino acids from the C-terminal region of human IL12B.
Clone:	RB28444
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	IL12B
Alternative Name:	IL12B (IL12B Products)

Target Details

Background: IL12B is a subunit of interleukin 12, a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. Interleukin 12 is a disulfide-linked heterodimer composed of the 40 kD cytokine receptor like subunit encoded by this gene, and a 35 kD subunit encoded by IL12A. This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. 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. Overexpression of this gene was observed in the central nervous system of patients with multiple sclerosis (MS), suggesting a role of this cytokine in the pathogenesis of the disease. The promoter polymorphism of this gene has been reported to be associated with the severity of atopic and non-atopic asthma in children.

Molecular Weight: 37169

Gene ID: 3593

NCBI Accession: [NP_002178](#)

UniProt: [P29460](#)

Pathways: [JAK-STAT Signaling](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Activated T Cell Proliferation](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

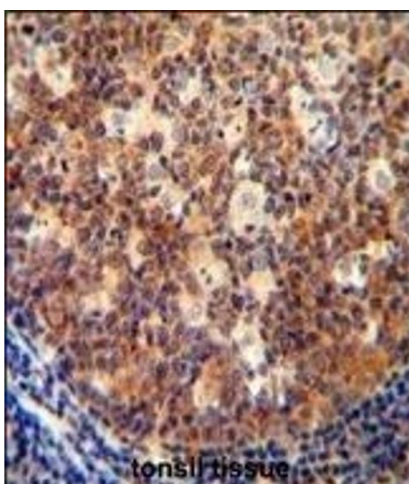
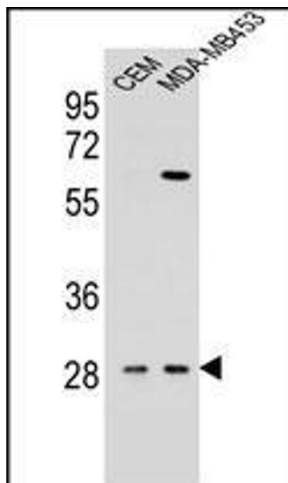
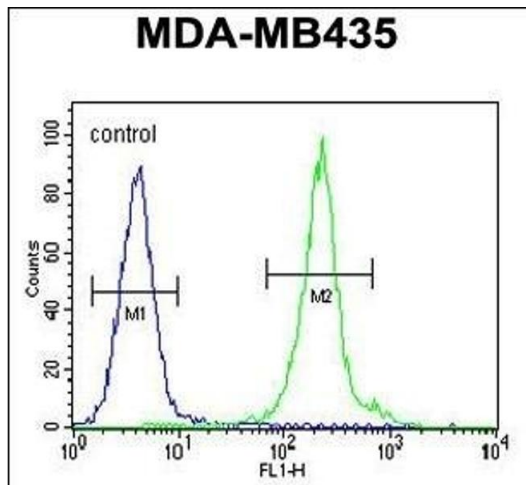
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.



Flow Cytometry

Image 1. IL12B Antibody (C-term) (ABIN654420 and ABIN2844155) flow cytometric analysis of MDA-M cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. IL12B Antibody (C-term) (ABIN654420 and ABIN2844155) western blot analysis in CEM, MDA-M cell line lysates (35 µg/lane). This demonstrates the IL12B antibody detected the IL12B protein (arrow).

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. IL12B antibody (C-term) (ABIN654420 and ABIN2844155) immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IL12B antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.