

# **IL-12A Polyclonal Antibody**

### Description

Product type Primary Antibody

Code BT-AP04436

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human IL-12A. AA range:16-65

Mol wt 24874

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application WB, IHC-p, ELISA

Concentration 1 mg/ml

Full name IL-12A Antibody

Synonyms IL12A; NKSF1; Interleukin-12 subunit alpha; IL-12A; Cytotoxic lymphocyte maturation factor 35 kDa

subunit; CLMF p35; IL-12 subunit p35; NK cell stimulatory factor chain 1; NKSF1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

#### Background

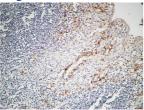
IL12A encodes a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine 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.

## Recommended Dilution

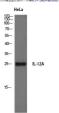
WB: 1: 500 - 1: 2000 ELISA: 1: 20000 IHC-p: 1: 50 - 300

Not yet tested in other applications.

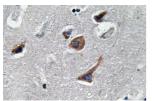
#### Images



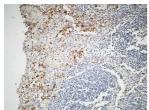
Immunohistochemical analysis of paraffin-embedded Human Amygdala. 1, Antibody was diluted at  $1:200(4^{\circ} \text{ overnight})$ . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Western Blot analysis of HeLa cells using IL-12A Polyclonal Antibody



Immunohistochemistry analysis of IL-12A antibody in paraffin-embedded human brain tissue.



Immunohistochemical analysis of paraffin-embedded Human Amygdala. 1, Antibody was diluted at  $1:200(4^{\circ} \text{ overnight})$ . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunohistochemical analysis of paraffin-embedded Human Amygdala. 1, Antibody was diluted at  $1:200(4^{\circ} \text{ overnight})$ . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Western blot analysis of lysate from HeLa cells, using IL-12A antibody.

## Storage

-20°C for one year

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