

## **IL-12A p35 Polyclonal Antibody**

YT5442 Catalog No:

Reactivity: Human; Rat; Mouse;

WB;IHC;IF;ELISA **Applications:** 

Target: IL-12A

Fields: >>Cytokine-cytokine receptor interaction;>>Toll-like receptor signaling

> pathway;>>RIG-I-like receptor signaling pathway;>>C-type lectin receptor signaling pathway;>>JAK-STAT signaling pathway;>>Th1 and Th2 cell

differentiation;>>Alcoholic liver disease;>>Type I diabetes

mellitus;>>Pertussis;>>Legionellosis;>>Leishmaniasis;>>Chagas

disease;>>African trypanosomiasis;>>Malaria;>>Toxoplasmosis;>>Amoebiasis;>

>Tuberculosis;>>Measles;>>Influenza A;>>Herpes simplex virus 1 infection;>>Coronavirus disease - COVID-19;>>Pathways in

cancer;>>Inflammatory bowel disease;>>Allograft rejection;>>Lipid and

atherosclerosis

IL12A Gene Name:

**Protein Name:** Interleukin-12 subunit alpha

**Human Gene Id:** 3592

**Human Swiss Prot** 

P29459

No:

**Mouse Swiss Prot** P43431

No:

The antiserum was produced against synthesized peptide derived from the Immunogen:

Internal region of human IL12A. AA range:31-80

IL-12A p35 Polyclonal Antibody detects endogenous levels of IL-12A p35 **Specificity:** 

protein.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG



**Dilution :** WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 35kD

**Cell Pathway:** Cytokine-cytokine receptor interaction; Toll\_Like; RIG-I-like

receptor; Jak STAT; Type I diabetes mellitus; Allograft rejection;

**Background:** This gene 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. [provided by RefSeg, Jul 2008],

**Function:** 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.,online information:Interleukin-12 entry,similarity:Belongs to the IL-6 superfamily.,subunit:Heterodimer with IL12B;

disulfide-linked. The heterodimer is known as interleukin IL-12.,

Subcellular Secreted.

Location:

**Expression:** Brain, Placenta,

Tag: hot

**Sort :** 8423

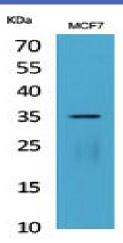
No4: \_\_1\_\_\_\_\_

Host: Rabbit

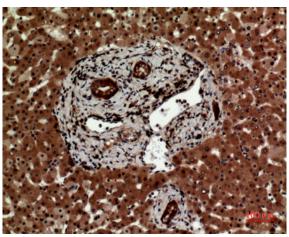
Modifications: Unmodified

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## **Products Images**



Western Blot analysis of MCF7 cells using IL-12A p35 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded humanliver, antibody was diluted at 1:100