



Rabbit Anti-IL-12 antibody

SL14637R

Product Name:	IL-12
Chinese Name:	白介素12抗体
Alias:	IL12; IL-12; CLMF p35; CLMF1; CTL maturation factor (TeMF); Cytotoxic lymphocyte maturation factor 1; Cytotoxic lymphocyte maturation factor 35 kDa subunit; IL 12 subunit p35; IL12A; Interleukin 12 alpha chain; Interleukin 12 p35; Interleukin 12A; Natural killer cell stimulatory factor 1; CLMF; CLMF p35; Cytotoxic lymphocyte maturation factor 35 kDa subunit; IL-12 subunit p35; IL-12A; IL12 subunit p35; IL12A; IL12A_HUMAN; Interleukin 12 p35; Interleukin 12A; Interleukin-12 subunit alpha; NFSK; NK cell stimulatory factor chain 1; NKSF1. NK cell stimulatory factor chain 1; NKSF1; p35; IL12A_RAT.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from rat IL-12:141-200/215
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed

IL-12 protein is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract.

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.

Subunit:

Heterodimer with IL12B; disulfide-linked. The heterodimer is known as interleukin IL-12.

Subcellular Location:

Secreted.

Similarity:

Belongs to the IL-6 superfamily.

SWISS:

P29459

Gene ID:

84405

Database links:

[Entrez Gene: 3592](#)Human

[Entrez Gene: 16159](#)Mouse

[Entrez Gene: 84405](#)Rat

[Omim: 161560](#)Human

[SwissProt: P29459](#)Human

[SwissProt: P43431](#)Mouse

[SwissProt: Q9R103](#)Rat

[Unigene: 673](#)Human

[Unigene: 103783](#)Mouse

Product Detail:

[Unigene: 207199](#)Rat

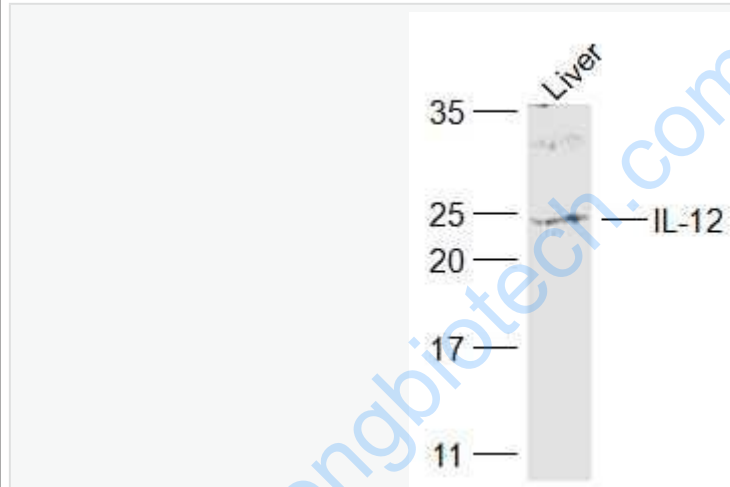
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

IL-12是新近发现的cell

factor, 具有多种生物学活性, 尤其是在抗Tumour免疫和抗病毒免疫中有重要的作用。

Picture:



Sample:

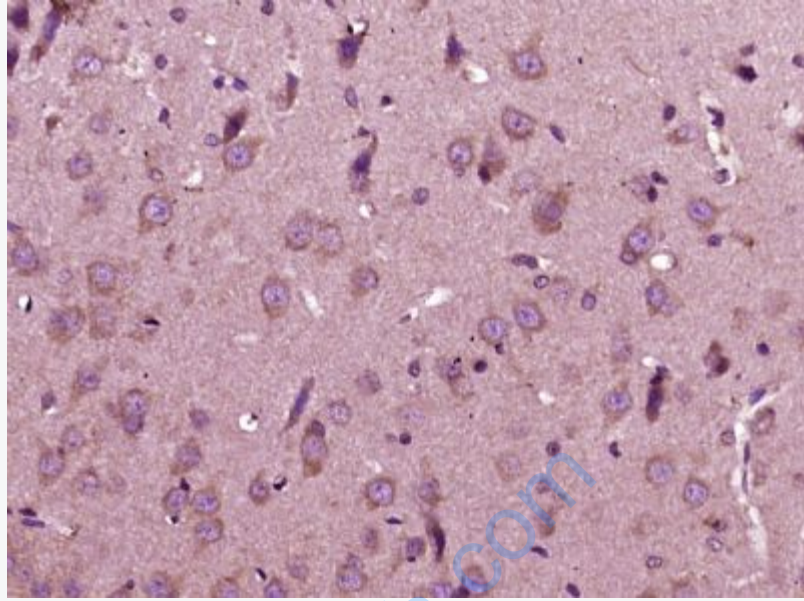
Liver(Rat) Lysate at 40 ug

Primary: Anti-IL-12 (SL14637R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 22 kD

Observed band size: 24 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IL-12) Polyclonal Antibody, Unconjugated (SL14637R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.