

Rabbit Anti-Interferon alpha 2b antibody

SL0536R

Product Name Interferon alpha 2b

Chinese Name Interferon α 2b 抗体

Alias Interferon alpha-2b; Alpha 2a interferon; alpha-2a interferon; IFN alpha 2b; IFNA 2; IFNA; INFA 2; INFA2; Interferon alpha 2; Interferon alpha 2 precursor; Interferon alpha 8 precursor; Interferon alpha A; Interferon alpha B; Interferon alpha B2; Interferon alpha-2 precursor; LeIF A; LeIF B; LeIFA; MGC125764; Interferon alpha B; Interferon alpha B2; interferon, alpha 8; LeIF B; MGC125765; IFN-alpha-2; IFNA2_HUMAN; MGC125765.

Research Area Tumour Cell biology immunology glycoprotein cell factor Interferon

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human, Mouse,

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 19kDa

Cellular localization Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human IFN alpha 2b

Lsotype IgG

Purification affinity purified by Protein A

Buffer Solution 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention

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

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Interferon alpha 2b is one of the known 23 different variants of IFN-alpha. The individual proteins have molecular masses between 19-26 kDa and consist of proteins with lengths of 156-166 and 172 amino acids. All IFN-alpha subtypes possess a common conserved sequence region between amino acid positions 115-151 while the amino-terminal ends are variable. Many IFN-alpha subtypes differ in their sequences at only one or two positions. Naturally occurring variants also include proteins truncated by 10 amino acids at the carboxy-terminal end.

Interferon alpha 2b is a potent immune modulator. It can either inhibit or enhance immune cell activity within the tightly regulated microenvironment of inflammation, depending upon the concentration of the cytokine and the activation stage of the cell. Interferon alpha 2B is currently used as an anticancer drug due to it's antiproliferative activity.

Function:

Produced by macrophages, IFN-alpha have antiviral activities.

Subunit:

Interacts with IFNAR2.

**Product
Detail**

Subcellular Location:

Secreted.

Similarity:

Belongs to the alpha/beta interferon family.

SWISS:

P01563

Gene ID:

3440

Database links:

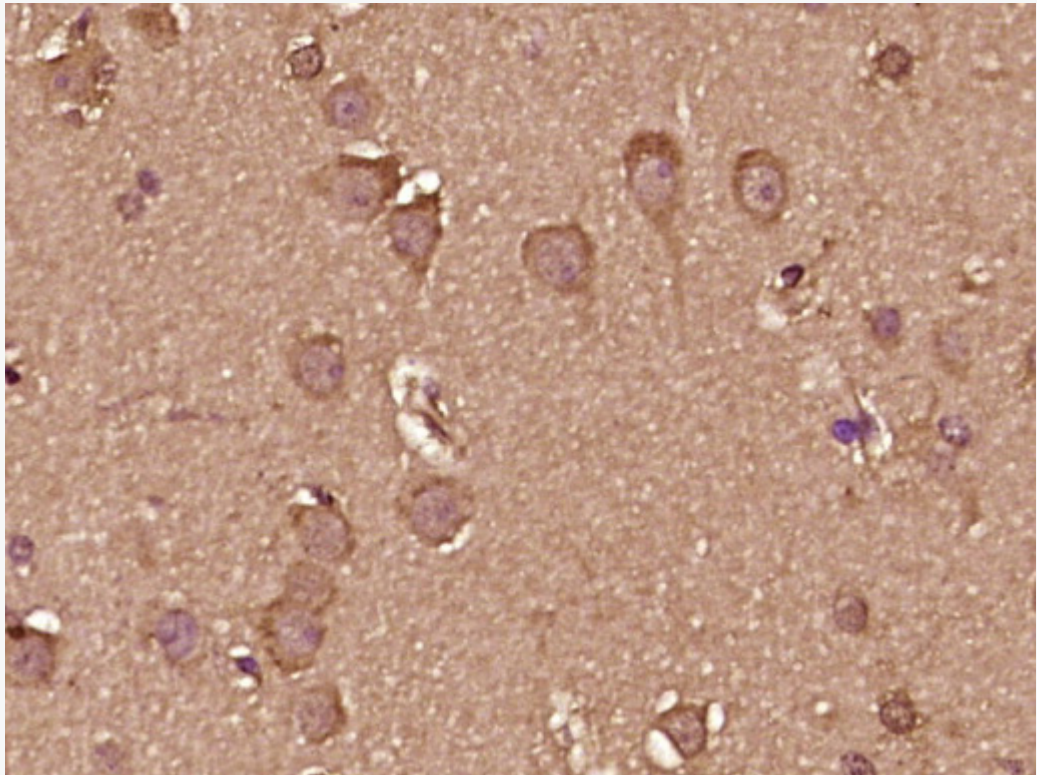
[Entrez Gene: 3440](#) Human

[Omim: 147562](#) Human

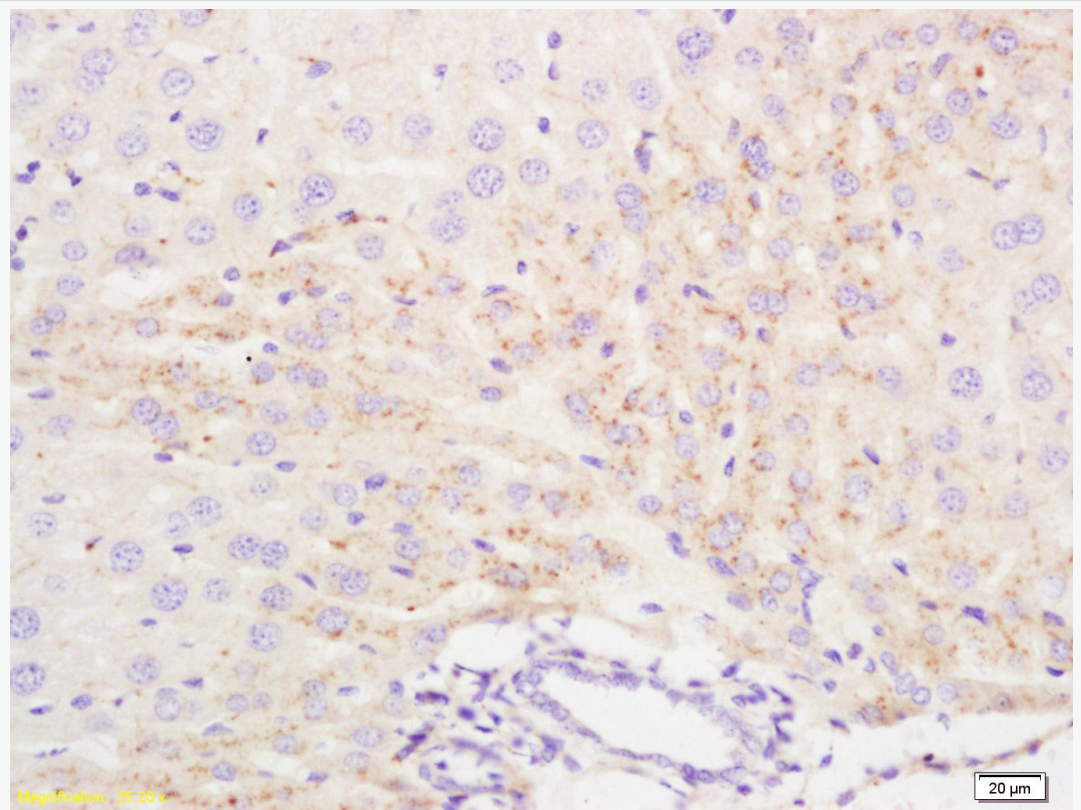
[SwissProt: P01563](#) Human

[Unigene: 211575](#) Human

**Product
Picture**



Paraformaldehyde-fixed, paraffin embedded (Human glioma); 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 (Interferon alpha 2b) Polyclonal Antibody, Unconjugated (SL0536R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse liver tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-IFN-Alpha 2b/Interferon alpha 2/INFA2 Polyclonal Antibody, Unconjugated (SL0536R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining