

Rabbit Anti-IFNB1 antibody

SL0787R

Product Name IFNB1

Chinese Name Interferon β 抗体

Alias Interferon beta; Fibroblast interferon; IFB; IFF; IFN beta; IFN-Beta; IFNB 1; IFNB; Interferon beta 1 fibroblast; Interferon beta precursor; IFNB_HUMAN.

Research Area Tumour Cell biology immunology Interferon

Immunogen Species Rabbit

Clonality Polyclonal

React Species Human,

Applications 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 20kDa

Cellular localization Secretory protein

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human IFNB1: 101-187/187

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.

PubMed [PubMed](#)

Product This gene encodes a cytokine that belongs to the interferon family of signaling proteins,

Detail

which are released as part of the innate immune response to pathogens. The protein encoded by this gene belongs to the type I class of interferons, which are important for defense against viral infections. In addition, type I interferons are involved in cell differentiation and anti-tumor defenses. Following secretion in response to a pathogen, type I interferons bind a homologous receptor complex and induce transcription of genes such as those encoding inflammatory cytokines and chemokines. Overactivation of type I interferon secretion is linked to autoimmune diseases. Mice deficient for this gene display several phenotypes including defects in B cell maturation and increased susceptibility to viral infection. [provided by RefSeq, Sep 2015]

Function:

Has antiviral, antibacterial and anticancer activities.

Subunit:

Monomer.

Subcellular Location:

Secreted.

Similarity:

Belongs to the alpha/beta interferon family.

SWISS:

P01574

Gene ID:

3456

Database links:

[Entrez Gene: 3456](#) Human

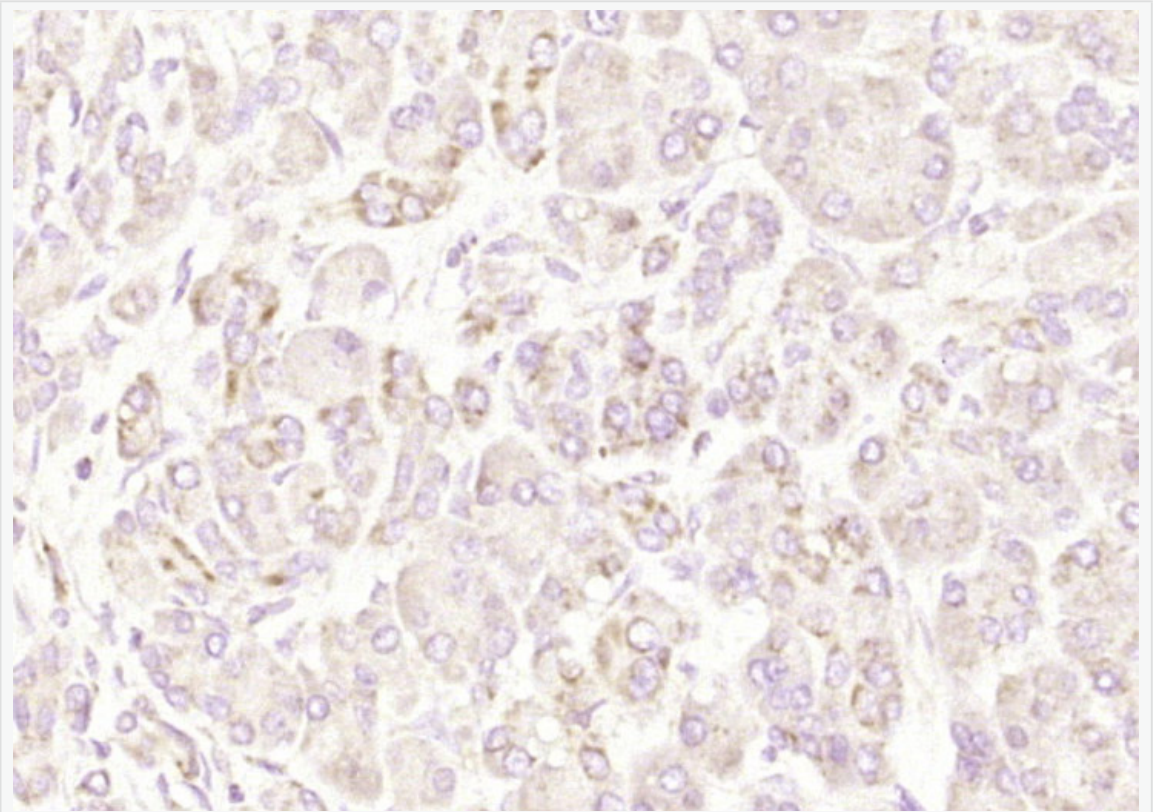
[Omim: 147640](#) Human

[SwissProt: P01574](#) Human

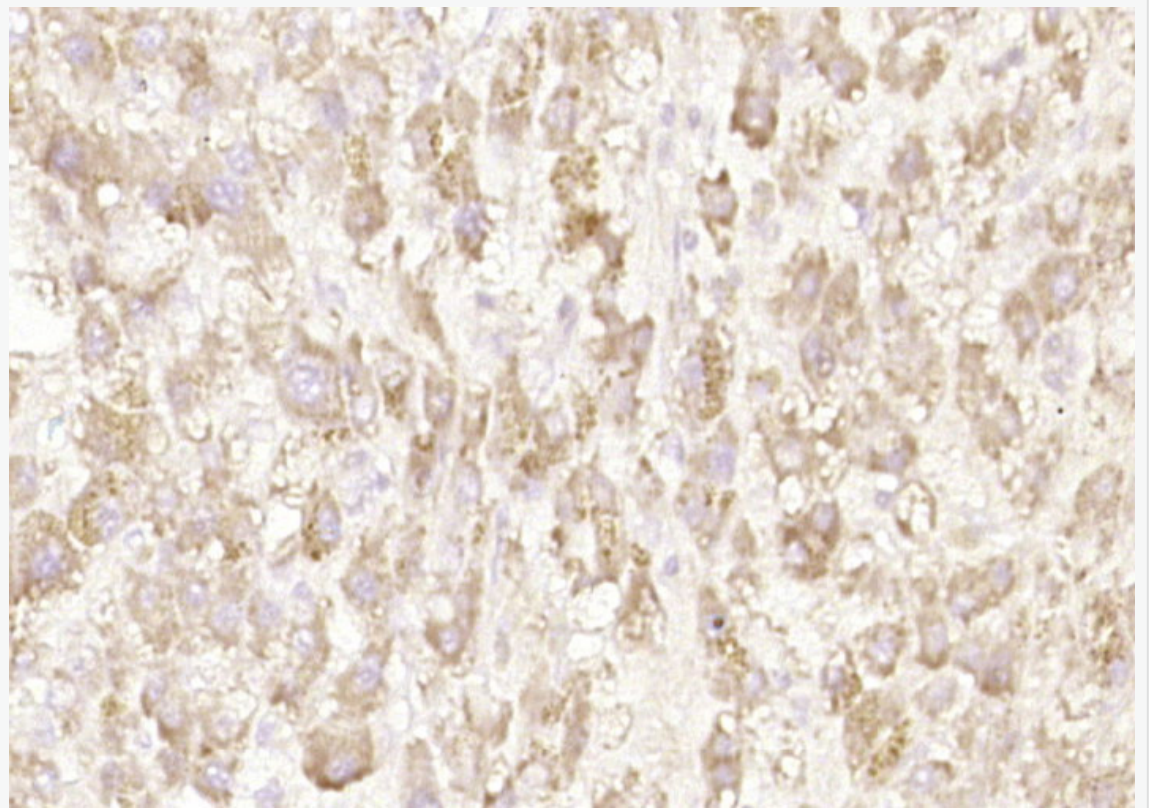
[Unigene: 93177](#) Human

β 型 Interferon(Interferon- β ,IFN- β)是主要由成纤维细胞产生的 cell factor,属于单一基因编码产生的蛋白质,可通过干扰病毒 RNA 或 DNA 复制而抑制病毒生长,并可显著增强 NK 细胞杀伤活性,通过促进 MHC I 类分子表达而增强 CTL 对病毒感染细胞的识别和杀伤作用.

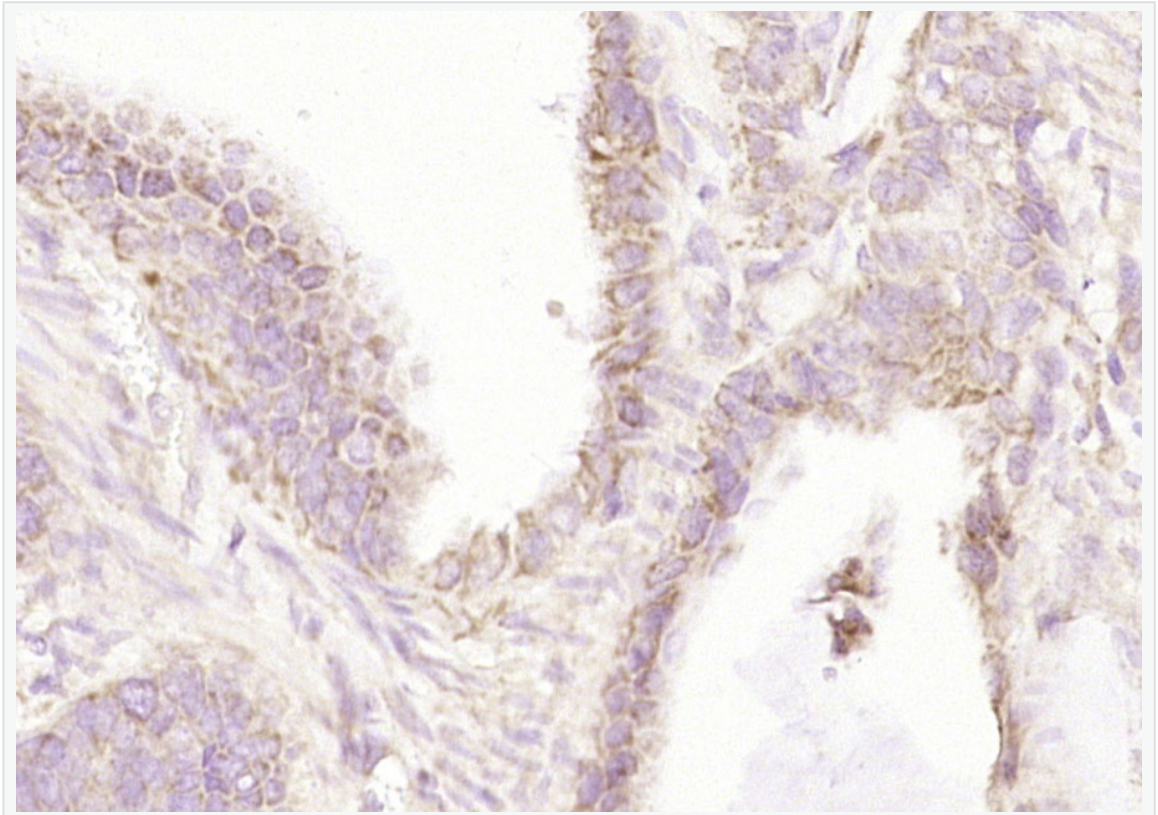
**Product
Picture**



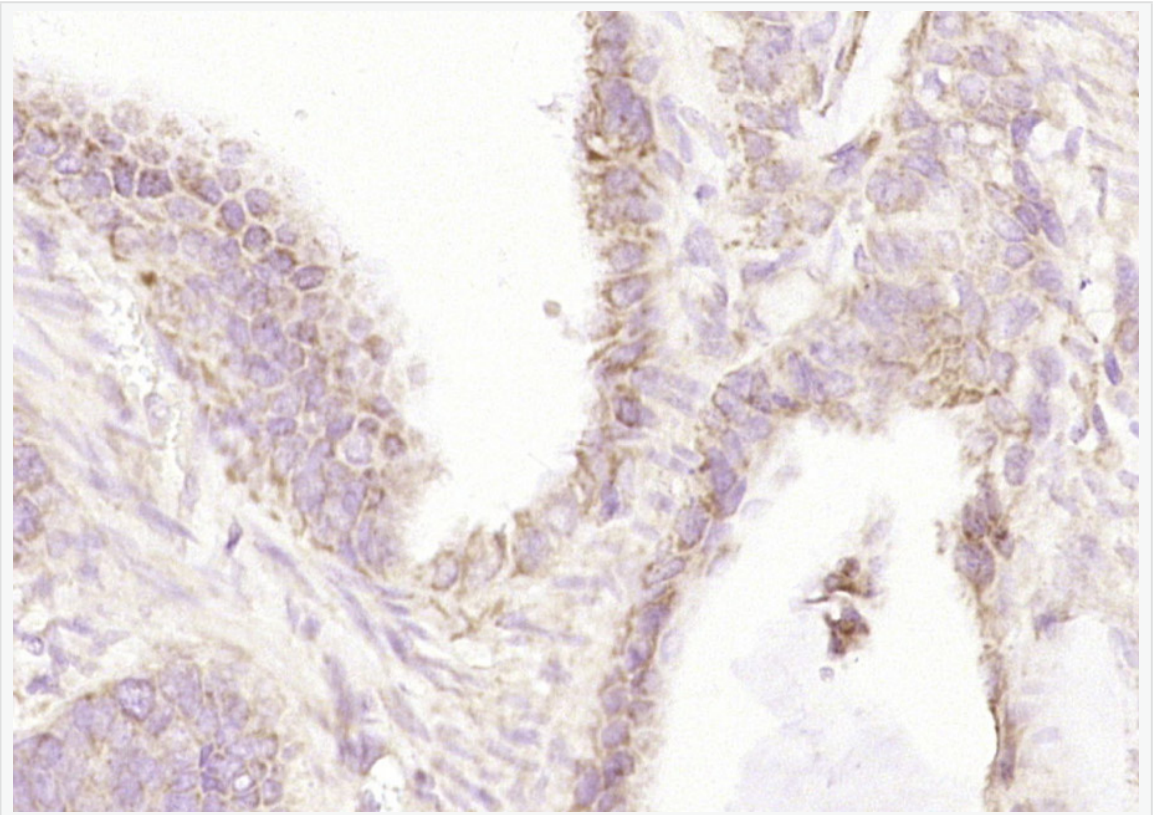
Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IFN-Beta/Ifnb1) Polyclonal Antibody, Unconjugated (SL0787R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



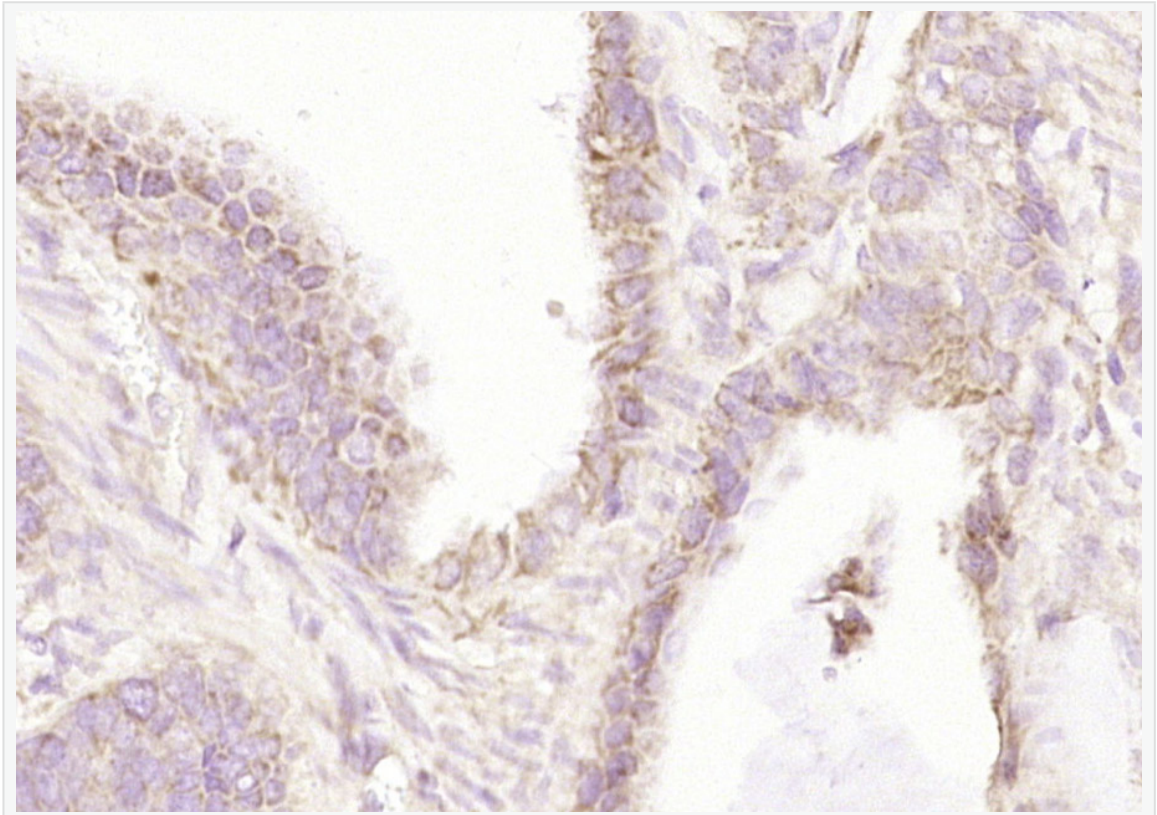
Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IFN-Beta/Ifnb1) Polyclonal Antibody, Unconjugated (SL0787R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



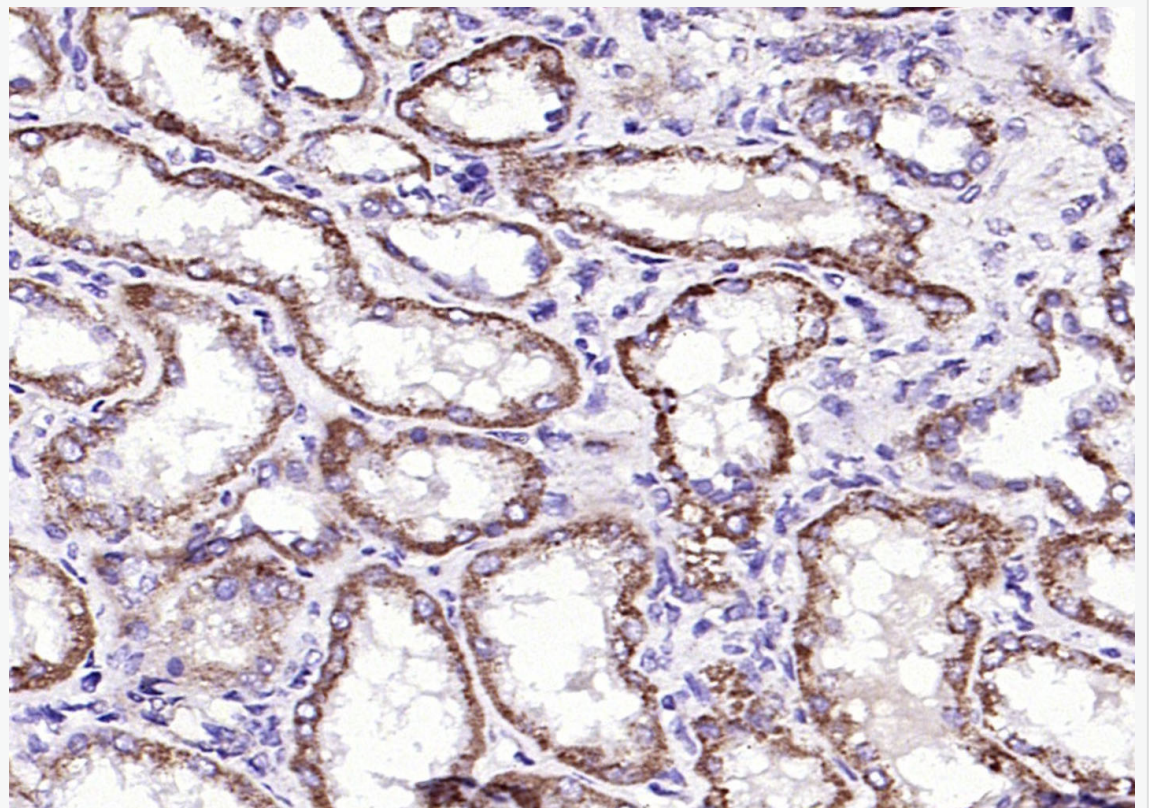
Paraformaldehyde-fixed, paraffin embedded (human endometrial carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IFN-Beta/Ifnb1) Polyclonal Antibody, Unconjugated (SL0787R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



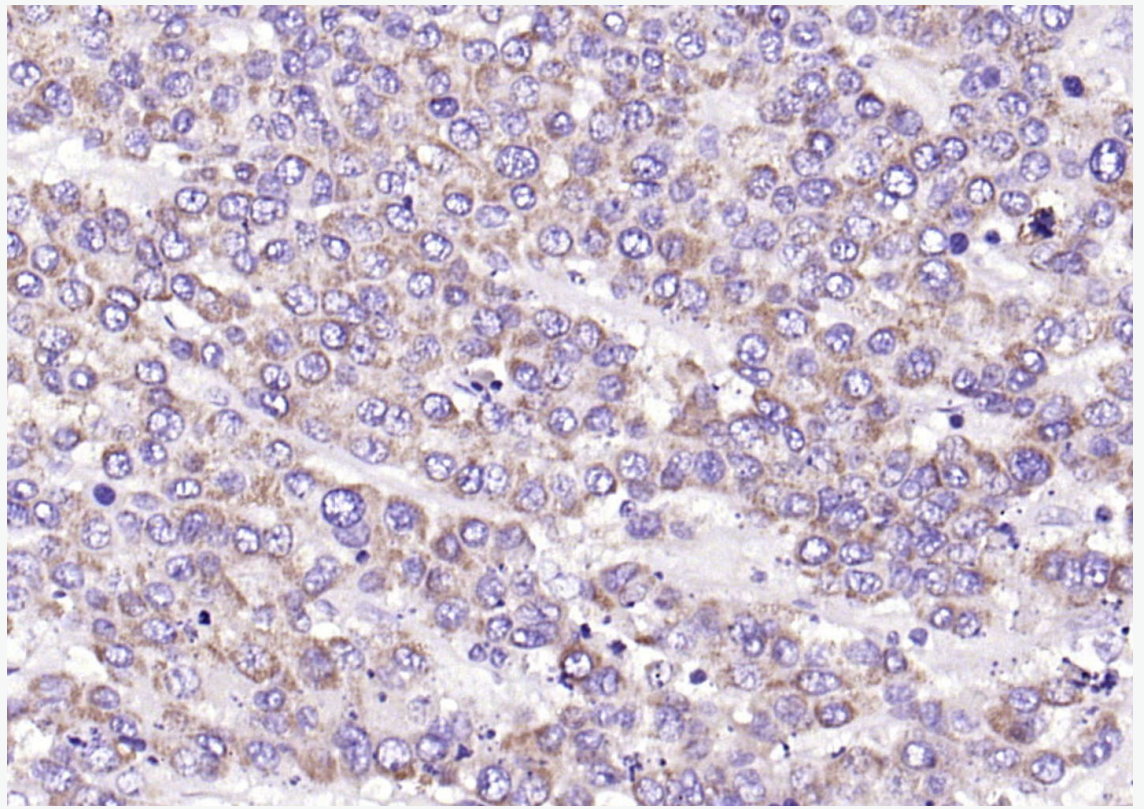
Tissue/cell: human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal
goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-IFN-Beta/Ifnb1 Polyclonal Antibody, Unconjugated(SL0787R)
1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023)
and DAB(C-0010) staining



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