



Rabbit Anti-IGFBP2 antibody

SL1108R

Product Name:	IGFBP2
Chinese Name:	胰岛素样生长因子Binding protein2抗体
Alias:	BP 2; BP2; IBP 2; IBP-2; IBP2; IBP2_HUMAN; IGF binding protein 2; IGF BP53; IGF-binding protein 2; IGFBP 2; IGFBP-2; IGFBP2; IGFBP53; Insulin like growth factor binding protein 2 36kDa; Insulin like growth factor binding protein 2; Insulin like growth factor-binding protein 2 precursor; Insulin-like growth factor-binding protein 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	36kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IGFBP2:101-200/305
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
Product Detail:	IGFBP2 (insulin-like growth factor binding protein 2) is a member of the ISGBP family which bind various IGFs. IGFBP2 is overexpressed in a wide spectrum of other cancers, including glioma, prostate cancer, synovial sarcoma, neuroblastoma, colon cancer, adrenocortical cancer, lung cancer, Wilms' tumor, and hepatoblastoma. The

overexpression of IGFBP2 also correlates with the aggressiveness of some tumors. IGFBP2 activates the expression of matrix metalloprotease 2, which contributes to cell invasiveness

Function:

Inhibits IGF-mediated growth and developmental rates. IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors.

Subcellular Location:

Secreted.

Post-translational modifications:

O-glycosylated.

Similarity:

Contains 1 IGFBP N-terminal domain.
Contains 1 thyroglobulin type-1 domain.

SWISS:

P47877

Gene ID:

3485

Database links:

[Entrez Gene: 3485](#) Human

[Entrez Gene: 16008](#) Mouse

[Entrez Gene: 397064](#) Pig

[Entrez Gene: 25662](#) Rat

[Omim: 146731](#) Human

[SwissProt: P13384](#) Cow

[SwissProt: P18065](#) Human

[SwissProt: P47877](#) Mouse

[SwissProt: Q91VK7](#) Mouse

[SwissProt: P12843](#) Rat

[Unigene: 438102](#) Human

[Unigene: 141936](#) Mouse

[Unigene: 6813](#) Rat

Important Note:

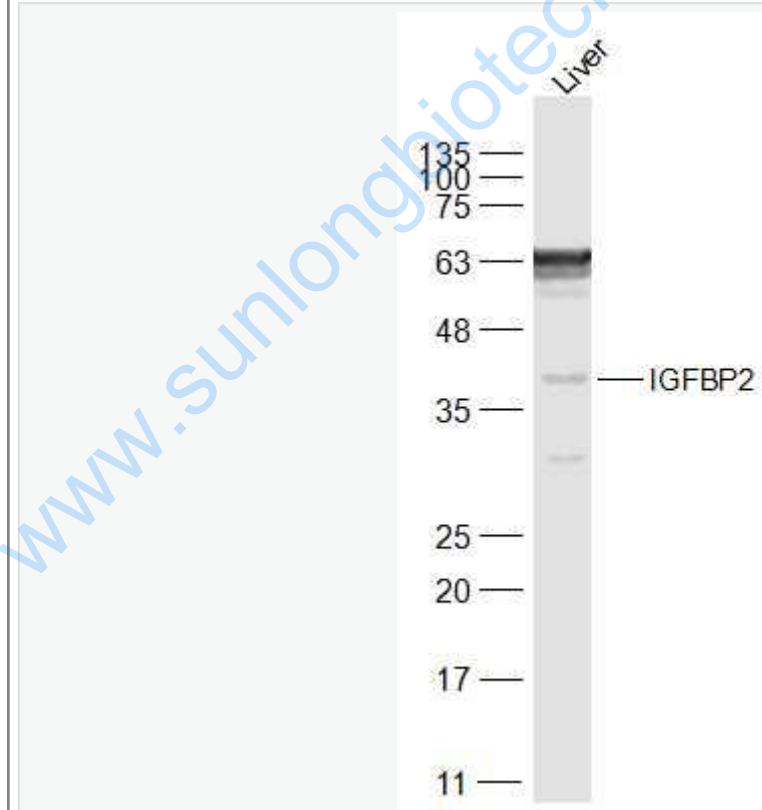
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Growth factors and hormones (Growth Factor and Hormones)

胰岛素样生长因子Binding protein-2(IGFBP-

2)是IGF/IGFBP家族中的一个重要成员,在多种疾病尤其是Tumour中其表达明显增高,可能通过调节胰岛素样生长因子(insulin-like growth factor,IGF)发挥作用,促进Tumour的发生发展。

Picture:



Sample:

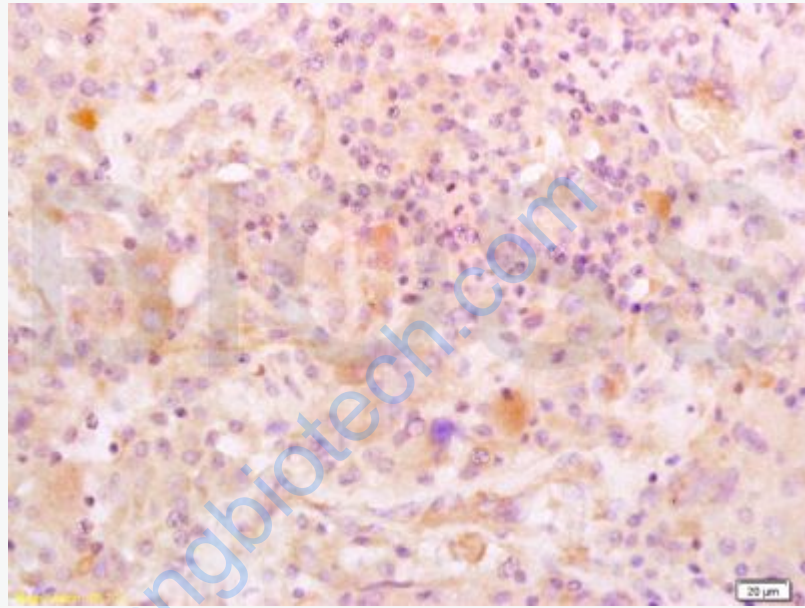
Liver (Mouse) Lysate at 40 ug

Primary: Anti-IGFBP2 (SL1108R) at 1/300 dilution

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

Predicted band size: 36 kD

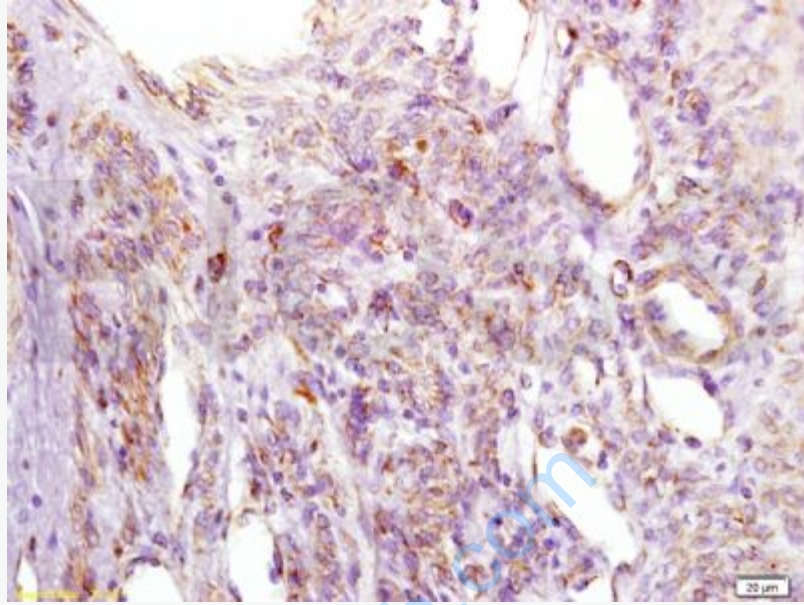
Observed band size: 36 kD



Tissue/cell: human glioma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, 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-IGFBP2 Polyclonal Antibody, Unconjugated(SL1108R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: human cervical carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, 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-IGFBP2 Polyclonal Antibody, Unconjugated(SL1108R) 1:100, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining