



Rabbit Anti-IGF2BP3 antibody

SL1312R

Product Name:	IGF2BP3
Chinese Name:	胰岛素样生长因子2 mRNA Binding protein3抗体
Alias:	Cancer/testis antigen 98; CT98; DKFZp686F1078; hKOC; IF2B3_HUMAN; IGF II mRNA binding protein 3; IGF-II mRNA-binding protein 3; IGF2 mRNA binding protein 3; IGF2 mRNA-binding protein 3; IGF2BP3; IMP 3; IMP-3; Insulin like growth factor 2 mRNA binding protein 3; Insulin-like growth factor 2 mRNA-binding protein 3; KH domain containing protein overexpressed in cancer; KH domain-containing protein overexpressed in cancer; KOC 1; KOC1; VICKZ 3; VICKZ family member 3; VICKZ3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
Applications:	ELISA=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:	64kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Insulin-like growth factor 2 mRNA-binding protein 3:101-230/579
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:	The protein encoded by this gene is primarily found in the nucleolus, where it can bind

to the 5' UTR of the insulin-like growth factor II leader 3 mRNA and may repress translation of insulin-like growth factor II during late development. The encoded protein contains several KH domains, which are important in RNA binding and are known to be involved in RNA synthesis and metabolism. A pseudogene exists on chromosome 7, and there are putative pseudogenes on other chromosomes. [provided by RefSeq, Jul 2008].

Function:

RNA-binding protein that act as a regulator of mRNA translation and stability. Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. Binds to sequences in the 3'-UTR of CD44 mRNA.

Subunit:

Homodimer and multimer. Interacts with IGF2BP1.

Subcellular Location:

Nucleus. Cytoplasm. Note=Found in lamellipodia of the leading edge, in the perinuclear region, and beneath the plasma membrane. The subcytoplasmic localization is cell specific and regulated by cell contact and growth. Localized at the connecting piece and the tail of the spermatozoa. Colocalized with CD44 mRNA in RNP granules.

Tissue Specificity:

Expressed in fetal liver, fetal lung, fetal kidney, fetal thymus, fetal placenta, fetal follicles of ovary and gonocytes of testis, growing oocytes, spermatogonia and semen (at protein level). Expressed in cervix adenocarcinoma, in testicular, pancreatic and renal-cell carcinomas (at protein level). Expressed ubiquitously during fetal development at 8 and 14 weeks of gestation. Expressed in ovary, testis, brain, placenta, pancreatic cancer tissues and pancreatic cancer cell lines.

Similarity:

Belongs to the RRM IMP/VICKZ family.
Contains 4 KH domains.
Contains 2 RRM (RNA recognition motif) domains.

SWISS:

O00425

Gene ID:

10643

Database links:

[Entrez Gene: 10643](#)Human

[Entrez Gene: 140488](#)Mouse

[Entrez Gene: 312320](#)Rat

[Omim: 608259](#)Human

[SwissProt: O00425](#)Human

[SwissProt: Q9CPN8](#)Mouse

[Unigene: 700696](#)Human

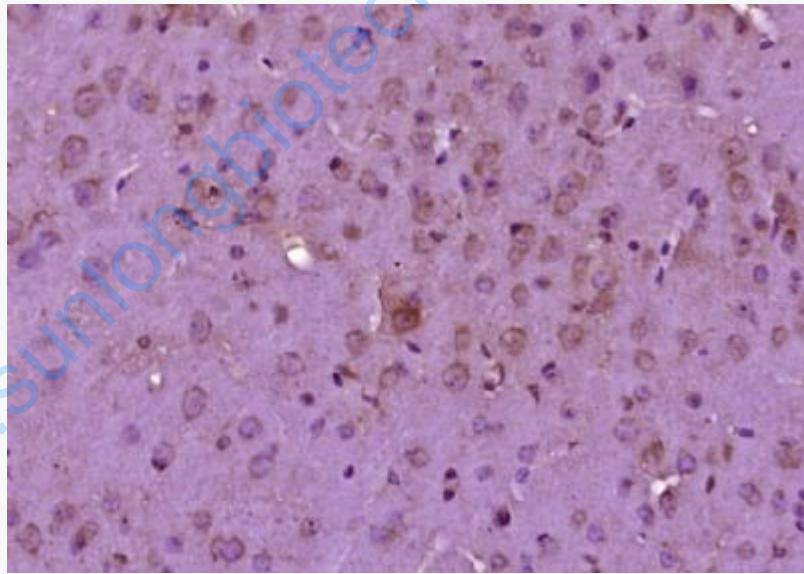
[Unigene: 281018](#)Mouse

Important Note:

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

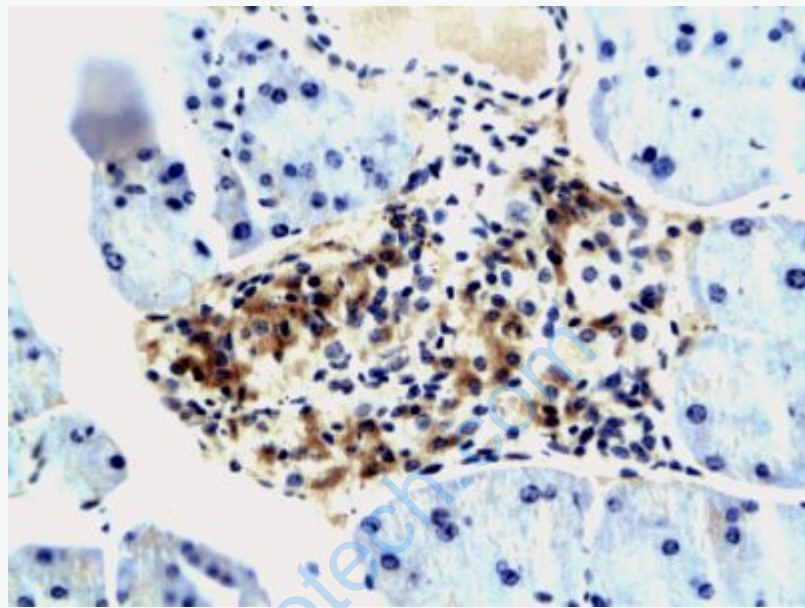
IGF2BP3是一种可以与胰岛素样生长因子(IGFs)结合的分泌性蛋白,其通过IGFs调节细胞的生长、分化、凋亡、黏附和运动,IGF2BP3与IGFs结合可以调节IGFs与IGF2型受体间的相互作用,改变其促有丝分裂效应、凋亡抑制效应和促细胞运动作用。

Picture:



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); 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 (IGF2BP3) Polyclonal Antibody, Unconjugated (SL1312R) at 1:400 overnight at 4°C, followed by operating

according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: rat pancreas 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-IMP3/IGF-IIBP3 Polyclonal Antibody, Unconjugated(SL1312R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining