SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-IGF2BP2 antibody

Catalog Number: SL22667R

FOR RESEARCH USE ONLY

[DATASHEET]

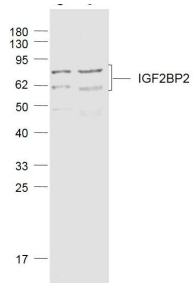
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	IGF2BP2
Immunogen:	KLH conjugated synthetic peptide derived from human IGF2BP2: 191-290/599
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse, Rat, (predicted: Human, Dog, Pig, Cow, Rabbit, Sheep)
Predicted MW.:	66kDa
Subcellular Location:	cytoplasmic
Background:	IGF2BP2 (insulin-like growth factor 2 mRNA binding protein 2) is also known as IGF2 mRNA-binding protein 2, IMP-2 (IGF-II mRNA-binding protein 2), VICKZ family member 2 or hepatocellular carcinoma autoantigen p62 and is a 556 amino acid protein. IGF2BP2 is expressed in a variety of tissues including heart, placenta, skeletal muscle, pancreas, fetal liver, lung, kidney, thymus and gonadal cells. IGF2BP2 is an RNA binding protein which may be involved in the regulation of mRNA translation and may also function to control the spatial localization of target mRNAs. Antibodies against IGF2BP2 have been detected in patients with HCC (hepatocellular carcinoma), suggesting that IGF2BP2 may have a role in the pathogenesis of HCC. Defects in IGF2BP2 are thought to be associated with susceptibility to type 2 diabetes mellitus. **Function:** Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs. Binding is isoform-specific. May regulate translation of target

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	mRNAs. **Subunit:** Interacts with HNRPD and IGF2BP1. **Subcellular Location:** Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs. Localizes at the connecting piece and the tail of the spermatozoa. **Tissue Specificity:** Expressed in oocytes, granulosa cells of small and growing follicles, Leydig cells, spermatogonia and semen (at protein level). Expressed in testicular cancer (at protein level). Expressed weakly in heart, placenta, skeletal muscle, bone marrow, colon, kidney, salivary glands, testis and pancreas. Detected in fetal liver, fetal ovary, gonocytes and interstitial cells of the testis. **Similarity:** Belongs to the RRM IMP/VICKZ family br>Contains 4 KH domains. Contains 2 RRM (RNA recognition motif) domains. **Database links:** **Entrez Gene:** 10644 Human **Entrez Gene:** 319765 Mouse **Entrez Gene:** 303824 Rat Omim: 608289 Human **SwissProt:** Q9Y6M1 Human **SwissProt:** Q5SF07 Mouse **Unigene:** 35354 Human **Unigene:** 489442 Mouse **Unigene:** 17318 Rat

[VALIDATION IMAGES]



Sample:
Lane 1: Cerebrum (Mouse) Lysate at 40 ug
Lane 2: Cerebrum (Rat) Lysate at 40 ug
Primary: Anti-IGF2BP2 (SL22667R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 65’60 kD
Observed band size: 70’60’ kD

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