IGF2BP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IGF2BP1, Polyclonal Antibody
Full Product Name	IGF2BP1, CT (IGF2BP1, CRDBP, VICKZ1, ZBP1, Insulin-like growth factor 2 mRNA-binding protein 1, Coding region determinant-binding protein, IGF-II mRNA-binding protein 1, VICKZ family member 1, Zip code-binding protein 1) (MaxLight 750)
Product Gene Name	anti-IGF2BP1 antibody
Product Synonym Names	IGF2BP1; CRDBP; VICKZ1; ZBP1; Insulin-like growth factor 2 mRNA-binding protein 1; Coding region determinant-binding protein; IGF-II mRNA-binding protein 1; VICKZ family member 1; Zip code-binding protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	48,598 Da
OMIM	608288
3D Structure	ModBase 3D Structure for Q9NZI8
Immunogen	IGF2BP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 515-542 amino acids from the C-terminal region of human IGF2BP1.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-IGF2BP1 antibody	Antibodies; Nucleic Acids
Applications Tested/Suitable for anti-IGF2BP1 antibody	Flow Cytometry (FC/FACS), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-IGF2BP1 antibody	FC/FACS: 1:10-50 FLISA: 1:1,000 IHC: 1:50-100 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-IGF2BP1 antibody	IGF2BP1 is a member of the insulin-like growth factor 2 mRNA-binding protein family. The protein encoded by this gene contains four K homology domains and two RNA recognition motifs. It functions by binding to the mRNAs of certain genes, including insulin-like growth factor 2, beta-actin and beta-transducin repeat-containing protein, and regulating their translation. Two transcript variants encoding different isoforms have been found for this gene.

Product References and Citations for anti-IGF2BP1 antibody	Rodriguez, S., et al. Growth Horm. IGF Res. 20(4):310-318(2010). Pillas, D., et al. PLoS Genet. 6 (2), E1000856 (2010): Noubissi, F.K., et al. Cancer Res. 69(22):8572-8578(2009). Zhou, Y., et al. Virology 393(2):210-220(2009). Kawakami, Y., et al. Biosci. Biotechnol. Biochem. 73(8):1811-1817(2009).
Other Notes	Small volumes of anti-IGF2BP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IGF2BP1 purchase	MBS6309484 is an antibody targeting IGF2BP1. Also known as IGF2BP1, CT (IGF2BP1, CRDBP, VICKZ1, ZBP1, Insulin-like growth factor 2 mRNA-binding protein 1, Coding region determinant-binding protein, IGF-II mRNA-binding protein 1, VICKZ family member 1, Zip code-binding protein 1) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGF2BP1. It may not necessarily be applicable to this product.

NCBI GI #	56237027
NCBI GeneID	10642
NCBI Accession #	NP_006537.3
UniProt Primary Accession #	Q9NZI8
UniProt Secondary Accession #	C9JT33
UniProt Related Accession #	Q9NZI8
GenBank Nucleotide #	NM_006546.3
NCBI Official Full Name	insulin-like growth factor 2 mRNA-binding protein 1 isoform 1
NCBI Official Synonym Full Names	insulin-like growth factor 2 mRNA binding protein 1
NCBI Official Symbol	IGF2BP1
NCBI Official Synonym Symbols	IMP1; ZBP1; CRDBP; IMP-1; CRD-BP; VICKZ1
UniProt Protein Name	Insulin-like growth factor 2 mRNA-binding protein 1
UniProt Synonym Protein Names	Coding region determinant-binding protein; CRD-BP; IGF-II mRNA-binding protein 1; VICKZ family member 1; Zipcode-binding protein 1; ZBP-1
Protein Family	Insulin-like growth factor 2 mRNA-binding protein
UniProt Gene Name	IGF2BP1
UniProt Synonym Gene Names	CRDBP; VICKZ1; ZBP1; IGF2 mRNA-binding protein 1; IMP-1; IMP1; CRD-BP; ZBP-1
UniProt Entry Name	IF2B1_HUMAN
NCBI Protein Information	insulin-like growth factor 2 mRNA-binding protein 1; ZBP-1; VICKZ family member 1; zipcode-binding protein 1; IGF2 mRNA-binding protein 1; IGF-II mRNA-binding protein 1; coding region determinant-binding protein
NCBI Summary for IGF2BP1	This gene encodes a member of the insulin-like growth factor 2 mRNA-binding protein family. The protein encoded by this gene contains four K homology domains and two RNA recognition motifs. It functions by binding to the mRNAs of certain genes, including insulin-like growth factor 2, beta-actin and beta-transducin repeat-containing protein, and regulating their translation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]

UniProt Comments for IGF2BP1	IGF2BP1: a conserved trans-acting factor that can control translation of specific mRNAs in vivo. Contains four K homology (KH) domains and two RNA recognition motifs. It functions by binding to the 5' UTR of the target mRNAs and repressing translation. Target mRNAs include those encoding beta-actin and insulin-like growth factor 2 (IGF2). Tyrosine phosphorylation apparently abolishes translational repression of actin expression by decreasing its binding beta-actin mRNA. May have a role in progression of ovarian cancer. Contains nuclear export signals within the RNA-binding KH2 and KH4 domains. Aberrant expression may interfere with c-myc regulation. Protein type: RNA-binding; Translation Chromosomal Location of Human Ortholog: 17q21.32 Cellular Component: growth cone; perinuclear region of cytoplasm; stress granule; axon; lamellipodium; cytoplasm; dendritic spine; ribonucleoprotein complex; cytosol; nucleus; filopodium Molecular Function: mRNA binding; protein binding; mRNA 3'-UTR binding; nucleotide binding; translation regulator activity; mRNA 5'-UTR binding Biological Process: mRNA transport; negative regulation of translation; gene expression; regulation of cytokine biosynthetic process
Research Articles on IGF2BP1	**1.** CRD-BP is overexpressed in basal cell carcinoma and its expression positively correlates with the activation of both Wnt and Hh signaling pathways
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