IGF2BP3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IGF2BP3, Polyclonal Antibody
Full Product Name	IGF2BP3 Antibody, FITC conjugated
Product Gene Name	anti-IGF2BP3 antibody
Product Synonym Names	Insulin-like growth factor 2 mRNA-binding protein 3IGF2 mRNA-binding protein 3IMP-3; IGF-II mRNA-binding protein 3; KH domain-containing protein overexpressed in cancer; hKOC; VICKZ family member 3; IGF2BP3; IMP3; KOC1; VICKZ3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: IGF2BP3 (MBS7048444) FITC Conjugated Antibody: IGF2BP3 (MBS7048446)
Molecular Weight	21,630 Da
OMIM	U76705 mRNA
3D Structure	ModBase 3D Structure for O00425
Immunogen	Recombinant Human Insulin-like growth factor 2 mRNA-binding protein 3 protein (1-100AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	FITC
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-100766 / sc-292451 / sc-47892 / sc-47893
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IGF2BP3 antibody	ELISA (EIA)
Related Product Information for anti-IGF2BP3 antibody	RNA-binding factor that may recruits target transcripts to cytoplasmic protein-RNA complexes (mRNPs). This transcript 'caging' into mRNPs allows mRNA transport and transient storage. It also modulates the rate and location at which target transcripts encounter the translational apparatus and shields them from endonuclease attacks or microRNA-mediated degradation. Binds to the 3'-UTR of CD44 mRNA and stabilizes it, hence promotes cell adhesion and invadopodia formation in cancer cells. Binds to beta-actin/ACTB and MYC transcripts. Binds to the 5'-UTR of the insulin-like growth factor 2 (IGF2) mRNAs.
Other Notes	Small volumes of anti-IGF2BP3 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 IGF2BP3 purchase	MBS7048446 is an antibody targeting IGF2BP3. Also known as IGF2BP3 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGF2BP3. It may not necessarily be applicable to this product.

NCBI GI #	30795212
NCBI GeneID	10643
NCBI Accession #	NP_006538.2
UniProt Primary Accession #	O00425
UniProt Secondary Accession #	Q63HM0; Q6MZZ2; Q86VB1; A0A4Z5
UniProt Related Accession #	O00425
GenBank Nucleotide #	NM_006547.2
NCBI Official Full Name	insulin-like growth factor 2 mRNA-binding protein 3
NCBI Official Synonym Full Names	insulin like growth factor 2 mRNA binding protein 3
NCBI Official Symbol	IGF2BP3
NCBI Official Synonym Symbols	KOC; CT98; IMP3; KOC1; IMP-3; VICKZ3
UniProt Protein Name	Insulin-like growth factor 2 mRNA-binding protein 3
UniProt Synonym Protein Names	IGF-II mRNA-binding protein 3; KH domain-containing protein overexpressed in cancer; hKOC; VICKZ family member 3
Protein Family	Insulin-like growth factor 2 mRNA-binding protein
UniProt Gene Name	IGF2BP3
UniProt Synonym Gene Names	IMP3; KOC1; VICKZ3; IGF2 mRNA-binding protein 3; IMP-3; hKOC
UniProt Entry Name	IF2B3_HUMAN
NCBI Protein Information	insulin-like growth factor 2 mRNA-binding protein 3
NCBI Summary for IGF2BP3	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]
UniProt Comments for IGF2BP3	IGF2BP3: 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. Belongs to the RRM IMP/VICKZ family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: RNA-binding; Spliceosome; Translation Chromosomal Location of Human Ortholog: 7p11 Cellular Component: cytoplasm; cytosol Molecular Function: mRNA 3'-UTR binding; mRNA 5'-UTR binding; protein binding; RNA binding; translation regulator activity Biological Process: anatomical structure morphogenesis; gene expression; negative regulation of translation; regulation of cytokine biosynthetic process; translation
Research Articles on IGF2BP3	**1.** IMP3 plays an important role in proliferation and in the invasion of cutaneous squamous cell carcinoma, and may be a suitable marker for the histopathological diagnosis of SCC with a crateriform architecture and keratoacanthoma

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