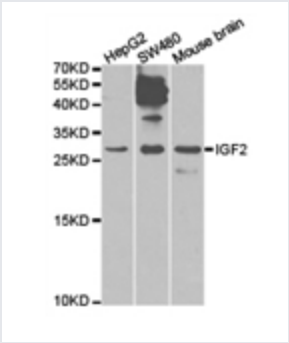
IGF2 Antibody – Rabbit

PRODUCT OVERVIEW

Product Name	IGF2, Antibody
Full Product Name	IGF2 Antibody
Product Gene Name	anti-IGF2 antibody
Product Synonym Names	IGF-II; PP9974; C11orf43
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity purification
Preparation and Storage	Store at-20 degree C or-80 degree C. Avoid freeze/thaw cycles.
Molecular Weight	20kDa
OMIM	147470
3D Structure	ModBase 3D Structure for P01344
Immunogen	Recombinant protein of human IGF2
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Product Categories/Family for anti-IGF2 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-IGF2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-IGF2 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-IGF2 antibody	This gene encodes a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilmstumour, Beckwith-Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]
Other Notes	Small volumes of anti-IGF2 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 IGF2 purchase	MBS8502949 is an antibody targeting IGF2. Also known as IGF2 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Testing Data of anti-IGF2 antibody
Western blot analysis of extracts of various celllines, using IGF2 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGF2. It may not necessarily be applicable to this product.

NCBI GI #	4504609
NCBI GeneID	3481
NCBI Accession #	NP_000603.1
UniProt Primary Accession #	P01344
UniProt Secondary Accession #	P78449; Q14299; Q1WM26; Q9UC68; Q9UC69; B3KX48; B7WP08; C9JAF2; E3UN45
UniProt Related Accession #	P01344
GenBank Nucleotide #	NM_000612.5
NCBI Official Full Name	insulin-like growth factor II isoform 1 preproprotein
NCBI Official Synonym Full Names	insulin like growth factor 2
NCBI Official Symbol	IGF2
NCBI Official Synonym Symbols	GRDF; IGF-II; PP9974; C11orf43
UniProt Protein Name	Insulin-like growth factor II
UniProt Synonym Protein Names	Somatomedin-A; T3M-11-derived growth factor
Protein Family	Insulin-like growth factor
UniProt Gene Name	IGF2
UniProt Synonym Gene Names	IGF-II
NCBI Protein Information	insulin-like growth factor II
NCBI Summary for IGF2	This gene encodes a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilms tumour, Beckwith-Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]
UniProt Comments for IGF2	The insulin-like growth factors possess growth-promoting activity. Major fetal growth hormone in mammals. Plays a key role in regulating fetoplacental development. IGF-II is influenced by placental lactogen. Also involved in tissue differentiation. Positively regulates myogenic transcription factor MYOD1 function by facilitating the recruitment of transcriptional coactivators, thereby controlling muscle terminal differentiation (). In adults, involved in glucose metabolism in adipose tissue, skeletal muscle and liver (Probable).
Research Articles on IGF2	**1.** Data suggest that blocking insulin-like growth factor 2 (IGF2) is a potential therapeutic mechanism for hepatocellular carcinoma (HCC).

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