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IGF2 Antibody (Ascites)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2070a

Specification

IGF2 Antibody (Ascites) - Product Information

Application	**WB,E**
Primary Accession	P01344
Other Accession	NP_000603.1
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgM**
Calculated MW	**20140**
Antigen Region	**39-68**

IGF2 Antibody (Ascites) - Additional Information

Gene ID 3481

Other Names
Insulin-like growth factor II, IGF-II, Somatomedin-A, Insulin-like growth factor II, Insulin-like growth factor II Ala-25 Del, Preptin, IGF2

Target/Specificity
This IGF2 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 39-68 amino acids from human IGF2.

Dilution
WB~~1:500~8000
E~~Use at an assay dependent concentration.

Format
Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
IGF2 Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

IGF2 Antibody (Ascites) - Protein Information

Name IGF2 (HGNC:5466)

Function The insulin-like growth factors possess growth-promoting activity (By similarity). Major

fetal growth hormone in mammals. Plays a key role in regulating fetoplacental development. IGF2 is influenced by placental lactogen. Also involved in tissue differentiation. In adults, involved in glucose metabolism in adipose tissue, skeletal muscle and liver (Probable). Acts as a ligand for integrin which is required for IGF2 signaling (PubMed:28873464). Positively regulates myogenic transcription factor MYOD1 function by facilitating the recruitment of transcriptional coactivators, thereby controlling muscle terminal differentiation (By similarity). Inhibits myoblast differentiation and modulates metabolism via increasing the mitochondrial respiration rate (By similarity).

Cellular Location
Secreted.

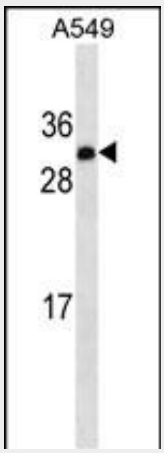
Tissue Location
Expressed in heart, placenta, lung, liver, muscle, kidney, tongue, limb, eye and pancreas.

IGF2 Antibody (Ascites) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IGF2 Antibody (Ascites) - Images



IGF2 Antibody (Cat. #AM2070a) western blot analysis in A549 cell line lysates (35µg/lane).This demonstrates the IGF2 antibody detected the IGF2 protein (arrow).

IGF2 Antibody (Ascites) - Background

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.

IGF2 Antibody (Ascites) - References

Adkins, R.M., et al. Pediatr. Res. 68(5):429-434(2010)
Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :
Li, J., et al. Mol. Biol. Rep. (2010) In press :
Hsieh, Y.Y., et al. Anticancer Res. 30(6):2203-2208(2010)
Turan, N., et al. PLoS Genet. 6 (7), E1001033 (2010) :