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IGF2 Antibody

Rabbit mAb
Catalog # AP91012

Product Information

Application	WB, IF, ICC
Primary Accession	P01344
Reactivity	Human
Clonality	Monoclonal
Other Names	C11orf43; IGF 2; IGF II; IGF2; INSIGF; Somatomedin A;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	20140

Additional Information

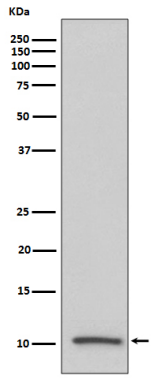
Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:100
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human IGF2
Description	The insulin-like growth factors possess growth-promoting activity. In vitro, they are potent mitogens for cultured cells. IGF-II is influenced by placental lactogen and may play a role in fetal development.;Preptin undergoes glucose-mediated co-secretion with insulin, and acts as physiological amplifier of glucose-mediated insulin secretion.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images



Western blot analysis of IGF2 expression in human serum lysate.

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