Best Tools for immunology Research

IGF-2 (ABT196R) rabbit mAb (Ready to Use)

Catalog No :	YM7140R
Reactivity :	Human;
Applications :	IHC
Target :	IGF-2
Fields :	>>MAPK signaling pathway;>>Ras signaling pathway;>>PI3K-Akt signaling pathway;>>Pathways in cancer;>>Proteoglycans in cancer;>>Hepatocellular carcinoma
Gene Name :	IGF2
Protein Name :	Insulin-like growth factor II (IGF-II) (Somatomedin-A) [Cleaved into: Insulin-like growth factor II; Insulin-like growth factor II Ala-25 Del; Preptin]
Human Gene Id :	3481
Human Swiss Prot No :	P01344
Immunogen :	Synthesized peptide derived from human IGF-2 AA range:1-100
Specificity :	This antibody detects endogenous levels of IGF-2
Formulation :	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	Ready to use for IHC
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	2°C to 8°C/1 year
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. [provided by RefSeq, Oct 2010],

Function : disease:Defects in INS are the cause of familial hyperproinsulinemia [MIM:176730].,function:Insulin decreases blood glucose concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver.,function:Preptin undergoes glucose-mediated co-secretion with insulin, and acts as physiological amplifier of glucose-mediated insulin secretion. Exhibits osteogenic properties by increasing osteoblast mitogenic activity through phosphoactivation of MAPK1 and MAPK3.,function: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.,mass spectrometry: PubMed:12586351; PubMed:15359740,online information:Clinical information on Eli Lilly insu

Subcellular Location : Cytoplasmic

Expression : Expressed in heart, placenta, lung, liver, muscle, kidney, tongue, limb, eye and pancreas.

Tag : hot,recombinant

Sort : 800

No4 : 1

Host : Rabbit

Modifications : Unmodified

Products Images