

IGF-2 Rabbit pAb

CatalogNo: YN1761

Orthogonal Validated 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat, Pig

Applications

- WB, ELISA

MW

- 10kD or 19kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000**ELISA 1:5000-20000**

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from part region of human protein AA range: 25-40

Specificity

IGF2 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name

IGF2 PP1446

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]

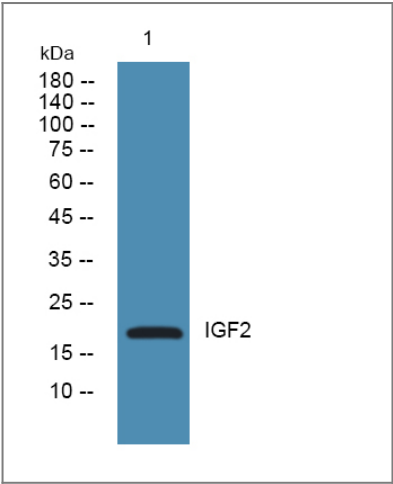
Organism	Gene ID	UniProt ID
Human	3481 ;	P01344 ;
Mouse		P09535 ;
Rat		P01346 ;

Cellular Localization Secreted .

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

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 insulin products,online information:Insulin entry,online information:Insulin-like growth factor 2 entry,online information:Protein of the 20th century - Issue 9 of April 2001,pharmaceutical:Available under the names Humulin or Humalog (Eli Lilly) and Novolin (Novo Nordisk). Used in the treatment of diabetes. Humalog is an insulin analog with 52-Lys-Pro-53 instead of 52-Pro-Lys-53.,similarity:Belongs to the insulin family.,subunit:Heterodimer of a B chain and an A chain linked by two disulfide bonds.,

Validation Data



Western blot analysis of lysates from HCT116 cells, primary antibody was diluted at 1:1000, 4°over night

| Contact information

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IGF-2 Rabbit pAb

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