

产品名称: Insulin Rabbit Polyclonal Antibody
产品货号: AP Rab12638



产品概述 (Summary)

产品名称 (Production Name)	Insulin Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	INS
别名 (Alternative Names)	INS; Insulin
基因 ID (Gene ID)	3630.0
蛋白 ID (SwissProt ID)	P01308.The antiserum was produced against synthesized peptide derived from human Insulin. AA range:49-98

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	

研究背景 (Background)

产品名称: Insulin Rabbit Polyclonal Antibody
产品货号: AP Rab12638

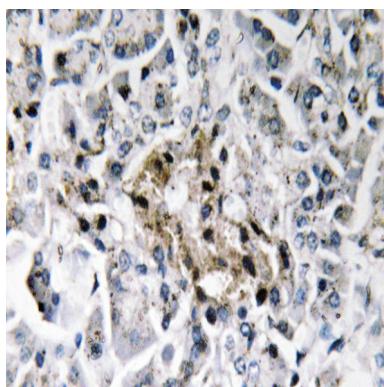


After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form insulin, and C-peptide. Binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. A multitude of mutant alleles with phenotypic effects have been identified. There is a read-through gene, INS-IGF2, which overlaps with this gene at the 5' region and with the IGF2 gene at the 3' region. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010], 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: Preproinsulin 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.,

研究领域 (Research Area)

Oocyte meiosis; Regulation of autophagy; mTOR; Regulates Actin and Cytoskeleton; Insulin_Receptor; Progesterone-mediated oocyte maturation; Type II diabetes mellitus; Type I diabetes mellitus; Maturity onset diabetes of the young; Aldosterone-regulated sodium reabsorption; Prostate cancer;

图片 (Image Data)



Immunohistochemistry analysis of Insulin antibody in paraffin-embedded human pancreas tissue.

注意事项 (Note)

For research use only .

产品名称: Insulin Rabbit Polyclonal Antibody
产品货号: APRab12638

