

产品名称: Trypsin-1 Rabbit Polyclonal Antibody
产品货号: APRab19344



产品概述 (Summary)

产品名称 (Production Name)	Trypsin-1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

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)	PRSS1
别名 (Alternative Names)	PRSS1; TRP1; TRY1; TRYP1; Trypsin-1; Beta-trypsin; Cationic trypsinogen; Serine protease 1; Trypsin I
基因 ID (Gene ID)	5644.0
蛋白 ID (SwissProt ID)	P07477.The antiserum was produced against synthesized peptide derived from human Trypsin-1. AA range:60-109

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	23kDa

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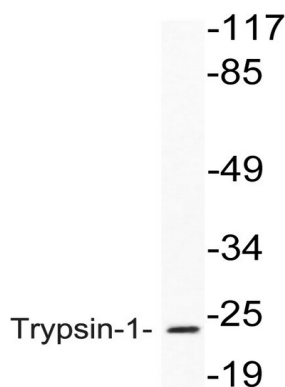
研究背景 (Background)

This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is secreted by the pancreas and cleaved to its active form in the small intestine. It is active on peptide linkages involving the carboxyl group of lysine or arginine. Mutations in this gene are associated with hereditary pancreatitis. This gene and several other trypsinogen genes are localized to the T cell receptor beta locus on chromosome 7. [provided by RefSeq, Jul 2008], catalytic activity: Preferential cleavage: Arg-|-Xaa, Lys-|-Xaa., caution: Tyr-154 was proposed to be phosphorylated (PubMed:8683601) but it has been shown (PubMed:17087724) to be sulfated instead. Phosphate and sulfate groups are similar in mass and size, and this can lead to erroneous interpretation of the results., cofactor: Binds 1 calcium ion per subunit., disease: Defects in PRSS1 are a cause of hereditary pancreatitis (HPC) [MIM:167800]; also known as chronic pancreatitis (CP). HPC is an autosomal dominant disease characterized by the presence of calculi in pancreatic ducts. It causes severe abdominal pain attacks., function: Has activity against the synthetic substrates Boc-Phe-Ser-Arg-Mec, Boc-Leu-Thr-Arg-Mec, Boc-Gln-Ala-Arg-Mec and Boc-Val-Pro-Arg-Mec. The single-chain form is more active than the two-chain form against all of these substrates., mass spectrometry: PubMed:8683601, PTM: Occurs in a single-chain form and a two-chain form, produced by proteolytic cleavage after Arg-122., similarity: Belongs to the peptidase S1 family., similarity: Contains 1 peptidase S1 domain.,

研究领域 (Research Area)

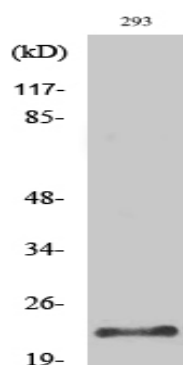
Neuroactive ligand-receptor interaction;

图片 (Image Data)



Western blot analysis of lysate from 293 cells, using Trypsin-1 antibody.

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Western Blot analysis of various cells using Trypsin-1 Polyclonal Antibody diluted at 1: 500. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .