

产品名称: Cleaved-ITI-H1 (D672) Rabbit Polyclonal Antibody
产品货号: APRab08999



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-ITI-H1 (D672) 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,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)	ITIH1 ITIH1; IGHEP1; Inter-alpha-trypsin inhibitor heavy chain H1; ITI heavy chain H1;
别名 (Alternative Names)	ITI-HC1; Inter-alpha-inhibitor heavy chain 1; Inter-alpha-trypsin inhibitor complex component III; Serum-derived hyaluronan-associated protein; SHAP
基因 ID (Gene ID)	3697.0
蛋白 ID (SwissProt ID)	P19827.The antiserum was produced against synthesized peptide derived from human ITIH1. AA range:623-672

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	71kDa

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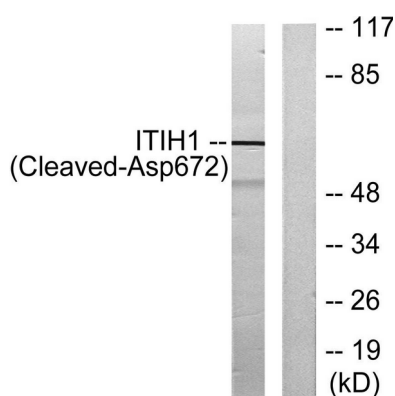


研究背景 (Background)

This gene encodes a member of the inter-alpha-trypsin inhibitor family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the heavy chain of the inter-alpha-trypsin inhibitor complex, which is secreted by hepatocytes into the blood. The heavy chain also interacts with hyaluronan, and this interaction may play a role in ovulation and fertilization, and has been implicated in multiple inflammatory diseases. This gene is present in a gene cluster on chromosome 3. [provided by RefSeq, Nov 2015],function:Contains a potential peptide which could stimulate a broad spectrum of phagocytotic cells.,function:May act as a carrier of hyaluronan in serum or as a binding protein between hyaluronan and other matrix protein, including those on cell surfaces in tissues to regulate the localization, synthesis and degradation of hyaluronan which are essential to cells undergoing biological processes.,mass spectrometry: PubMed:9677337,polymorphism:There are 3 common alleles; ITIH1*1 with Glu-585/Gln-595, ITIH1*2 with Val-585/Arg-595 and ITIH1*3 with Glu-585/Arg-595.,PTM:Heavy chains are linked to bikunin via chondroitin 4-sulfate esterified to the alpha-carboxyl of the C-terminal aspartate after propeptide cleavage.,PTM:The S-linked glycan is composed of two units of either Glc or Gal.,similarity:Belongs to the ITIH family.,similarity:Contains 1 VWFA domain.,subunit:I-alpha-I plasma protease inhibitors are assembled from one or two heavy chains (H1, H2 or H3) and one light chain, bikunin. Inter-alpha-inhibitor (I-alpha-I) is composed of H1, H2 and bikunin, inter-alpha-like inhibitor (I-alpha-LI) of H2 and bikunin, and pre-alpha-inhibitor (P-alpha-I) of H3 and bikunin.,

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of lysates from Jurkat cells, treated with etoposide 25uM 24h, using ITIH1 (Cleaved-Asp672) Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

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