

**Cleaved-ITI-H1 (D672) Polyclonal Antibody**

<b>Catalog No :</b>	YC0093
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	ITI-H1
<b>Gene Name :</b>	ITIH1
<b>Protein Name :</b>	Inter-alpha-trypsin inhibitor heavy chain H1
<b>Human Gene Id :</b>	3697
<b>Human Swiss Prot No :</b>	P19827
<b>Mouse Gene Id :</b>	16424
<b>Mouse Swiss Prot No :</b>	Q61702
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human ITIH1. AA range:623-672
<b>Specificity :</b>	Cleaved-ITI-H1 (D672) Polyclonal Antibody detects endogenous levels of fragment of activated ITI-H1 protein resulting from cleavage adjacent to D672.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 71kD

**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 :** 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 in

**Subcellular Location :** Secreted.

**Expression :** Blood,Epithelium,Liver,Plasma,Serum,Thymus,

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