



Cleaved-ITI-H2 (D702) Polyclonal Antibody

Catalog No	YP-Ab-15816
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	ITIH2
Protein Name	Inter-alpha-trypsin inhibitor heavy chain H2
Immunogen	The antiserum was produced against synthesized peptide derived from human ITIH2. AA range:653-702
Specificity	Cleaved-ITI-H2 (D702) Polyclonal Antibody detects endogenous levels of fragment of activated ITI-H2 protein resulting from cleavage adjacent to D702.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ITIH2; IGHEP2; Inter-alpha-trypsin inhibitor heavy chain H2; ITI heavy chain H2; ITI-HC2; Inter-alpha-inhibitor heavy chain 2; Inter-alpha-trypsin inhibitor complex component II; Serum-derived hyaluronan-associated protein; SHAP
Observed Band	72kD
Cell Pathway	Secreted.
Tissue Specificity	Plasma.
Function	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,PTM:Heavy chains are linked to bikunin via chondroitin 4-sulfate esterified to the alpha-carboxyl of the C-terminal aspartate after propeptide cleavage.,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.,



Background

The inter-alpha-trypsin inhibitors (ITI) are a family of structurally related plasma serine protease inhibitors involved in extracellular matrix stabilization and in prevention of tumor metastasis. The ITI family contains multiple proteins made up of a light chain (see MIM 176870) and a variable number of heavy chains (Salier et al., 1987 [PubMed 2446322]; Himmelfarb et al., 2004 [PubMed 14744536]). [supplied by OMIM, Nov 2009],

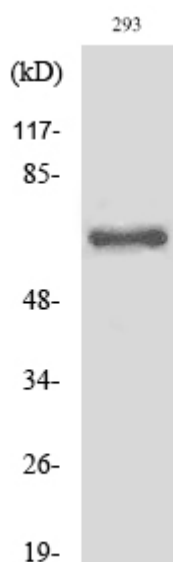
matters needing attention

Avoid repeated freezing and thawing!

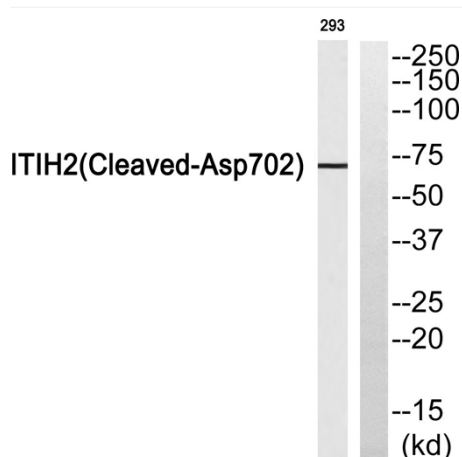
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Cleaved-ITI-H2 (D702) Polyclonal Antibody



Western blot analysis of ITIH2 (Cleaved-Asp702) Antibody. The lane on the right is blocked with the ITIH2 (Cleaved-Asp702) peptide.