



HABP2 (50k heavy chain, Cleaved-Arg313) rabbit pAb

Catalog No	YP-Ab-15822
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB; ELISA
Gene Name	HABP2 HGFAL PHBP
Immunogen	Synthesized peptide derived from human HABP2 (50k heavy chain, Cleaved-Arg313)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat HABP2 (50k heavy chain, Cleaved-Arg313, protein was cleaved amino acid sequence between 313-314)
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 serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Factor VII activating protease;FSAP;HABP;HABP2;HGFAL;hyaluronan binding protein 2;PHBP;HABP2 HGFAL PHBP;HABP2 (50k heavy chain;Cleaved-Arg313);Hyaluronan-binding protein 2 (EC 3.4.21.-;Factor VII-activating protease;Factor seven-activating protease;Hepatocyte growth factor activator-like protein;Plasma hyaluronan-binding protein) [Cleaved into: Hyaluronan-binding protein 2 50 kDa heavy chain;Hyaluronan-binding protein 2 50 kDa heavy chain alternate form;Hyaluronan-binding protein 2 27 kDa light chain; Hyaluronan-binding protein 2 27 kDa light chain alternate form]
Observed Band	50 77kD
Calculated Molecular Weight	56 aa, 63 kDa
Cell Pathway	Secreted . Secreted as an inactive single-chain precursor and is then activated to a heterodimeric form.
Tissue Specificity	Ubiquitously expressed.
Function	function:Cleaves the alpha-chain at multiple sites and the beta-chain between 'Lys-53' and 'Lys-54' but not the gamma-chain of fibrinogen and therefore does not initiate the formation of the fibrin clot and does not cause the fibrinolysis



directly. It does not cleave (activate) prothrombin and plasminogen but converts the inactive single chain urinary plasminogen activator (pro-urokinase) to the active two chain form. Activates coagulation factor VII.,PTM:Proteolytic cleavage at Gly-23 or Met-27 can give rise to the 50 kDa heavy chain and cleavage at Arg-313 or Lys-319 can give rise to the 27 kDa light chain. The heavy chain can undergo further proteolytic cleavage at Lys-169 or Arg-170 to give rise to 2 inactive 26 kDa fragments and the light chain can undergo further proteolytic cleavage at Arg-480 to give rise to inactive 17 kDa and 8 kDa fragments., similarity:Belongs to the peptidase

Background

This gene encodes a member of the peptidase S1 family of serine proteases. The encoded preproprotein is secreted by hepatocytes and proteolytically processed to generate heavy and light chains that form the mature heterodimer. Further autoproteolysis leads to smaller, inactive peptides. This extracellular protease binds hyaluronic acid and may play a role in the coagulation and fibrinolysis systems. Mutations in this gene are associated with nonmedullary thyroid cancer and susceptibility to venous thromboembolism. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed. [provided by RefSeq, Jan 2016],

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.

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