

Product name:	HABP2 Rabbit Polyclonal Antibody
Cat number:	ABN11884
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized peptide derived from HABP2 . at AA range: 270-350
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,ELISA 1:5000-1:10000
Molecular Weight:	63kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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],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 S1 family.,similarity: Contains 1 kringle domain.,similarity: Contains 1 peptidase S1 domain.,similarity: Contains 3 EGF-like domains.,subcellular location: Secreted as an inactive single-chain precursor and is then activated to a heterodimeric form.,subunit: Heterodimer; disulfide-linked. Heterodimer of a 50 kDa heavy and a 27 kDa light chain linked by a disulfide bond.,tissue specificity: Ubiquitously expressed.,