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HABP2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5666b

Product Information

Application	IHC-P, WB, E
Primary Accession	Q14520
Other Accession	NP_004123
Reactivity	Human, Rat, Mouse
Predicted	Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19361
Calculated MW	62672
Antigen Region	378-408

Additional Information

Gene ID	3026
Other Names	Hyaluronan-binding protein 2, 3421-, Factor VII-activating protease, Factor seven-activating protease, FSAP, Hepatocyte growth factor activator-like protein, Plasma hyaluronan-binding protein, 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, HABP2, HGFAL, PHBP
Target/Specificity	This HABP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 378-408 amino acids from the C-terminal region of human HABP2.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	HABP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HABP2 {ECO:0000303|PubMed:26222560, ECO:0000312|HGNC:HGNC:4798}
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 (PubMed:11217080). 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 (PubMed:10754382, PubMed:11217080). Activates coagulation factor VII (Probable). May function as a tumor suppressor negatively regulating cell proliferation and cell migration (PubMed:26222560).
Cellular Location	Secreted. Note=Secreted as an inactive single-chain precursor and is then activated to a heterodimeric form
Tissue Location	Ubiquitously expressed.

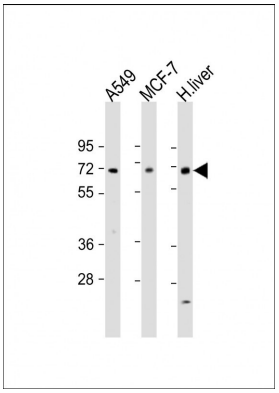
Background

HABP2 is an extracellular serine protease that binds hyaluronic acid and is involved in cell adhesion. The encoded protein is synthesized as a single chain, but then undergoes an autoproteolytic event to form the functional heterodimer. Further autoproteolysis leads to smaller, inactive peptides. This protease is known to cleave urinary plasminogen activator, coagulation factor VII, and the alpha and beta chains of fibrinogen, but not prothrombin, plasminogen, or the gamma chain of fibrinogen. Two transcript variants encoding different isoforms have been found for this gene.

References

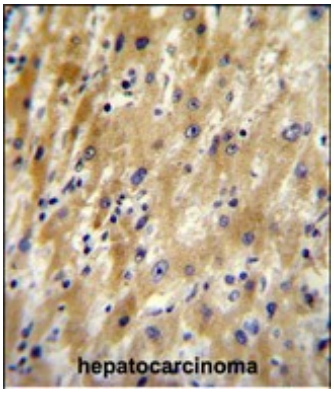
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Sumiya, J., et al. J. Biochem. 122(5):983-990(1997)
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Images



All lanes : Anti-HABP2 Antibody (C-term) at 1:1000-1:2000 dilution Lane 1: A549 whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: human liver lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 63 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

HABP2 Antibody (C-term) (Cat. #AP5666b) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of the HABP2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



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