

Rabbit anti-Human, mouse HABP2 Polyclonal Antibody | anti-HABP2 antibody

HABP2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289169	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

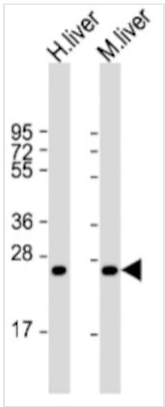
PRODUCT SYNONYMS

HABP2; Polyclonal Antibody; HABP2 Antibody (C-term); 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; HGFAL; PHBP; anti-HABP2 antibody

PRODUCT SPECIFICATIONS

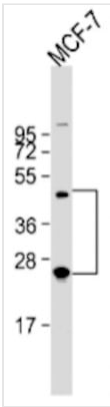
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This HABP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 378-408 amino acids from the C-terminal region of human HABP2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 0.5mg/mL (varies by lot)
Sequence Positions	378-408
Sequence Length	534
Applicable Applications for anti-HABP2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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 (PubMed:8827452, PubMed:10754382, PubMed:11217080). 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.
Preparation and 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.

IMAGES



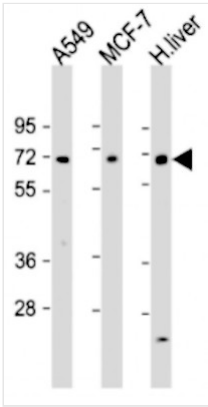
WB (Western Blot)

All lanes : Anti-HABP2 Antibody (C-term) at 1:2000 dilution
Lane 1: human liver lysate
Lane 2: mouse liver lysate
Lysates/proteins at 20u ug 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.



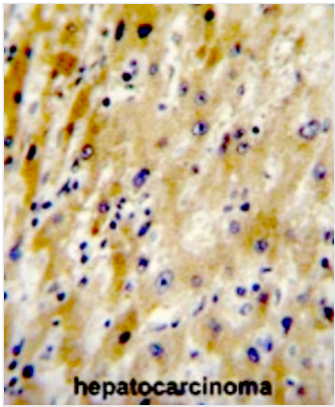
WB (Western Blot)

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



WB (Western Blot)

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 ug 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.



IHC (Immunohistochemistry)

HABP2 Antibody (C-term) 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.

ADDITIONAL INFORMATION

Related Product Information for anti-HABP2 antibody	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.
Product Categories/Family for anti-HABP2 antibody	Cardiovascular
References	Choi-Miura, N.H., et al. Biol. Pharm. Bull. 24(2):140-143(2001) Sumiya, J., et al. J. Biochem. 122(5):983-990(1997) Choi-Miura, N.H., et al. J. Biochem. 119(6):1157-1165(1996) Gupta, S., et al. Eur. J. Cell Biol. 56(1):58-67(1991)

NCBI AND UNIPROT INFORMATION

NCBI GI #	295054188
NCBI GeneID	3026

NCBI Accession #	NP_001171131.1 ; NP_004123.1
NCBI GenBank Nucleotide #	NM_001177660.1
UniProt Accession #	Q14520 ; O00663 ; A8K467 ; B7Z8U5 ; F5H5M6
NCBI Official Full Name	hyaluronan-binding protein 2 isoform 2
NCBI Official Synonym Full Names	hyaluronan binding protein 2
NCBI Official Symbol	HABP2
NCBI Official Synonym Symbols	FSAP; HABP; PHBP; HGFAL
NCBI Protein Information	hyaluronan-binding protein 2
UniProt Protein Name	Hyaluronan-binding protein 2
UniProt Gene Name	HABP2
UniProt Synonym Gene Names	HGFAL; PHBP; FSAP
UniProt Entry Name	HABP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/habp2-antibody-immunohistochemistry-western-blot-elisa/289169>