

Rabbit HBP1 Polyclonal Antibody | anti-HBP1 antibody

Phospho-HBP1 (Ser402) Antibody

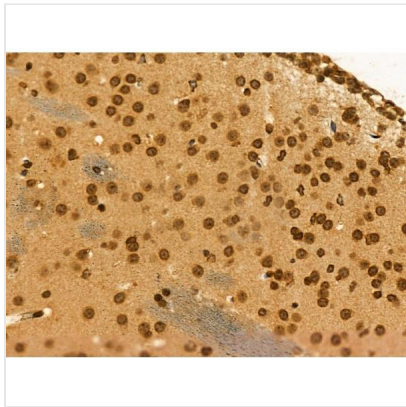
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31326	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

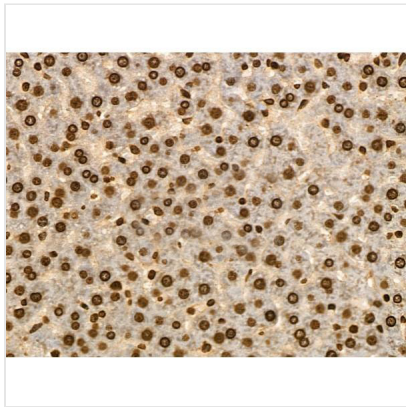
HBP1; Polyclonal Antibody; Phospho-HBP1 (Ser402) Antibody; FLJ16340; HBP 1; HBP1_HUMAN; High mobility group box transcription factor 1; HMG box containing protein 1; HMG box transcription factor 1; HMG box-containing protein 1; anti-HBP1 antibody

PRODUCT SPECIFICATIONS

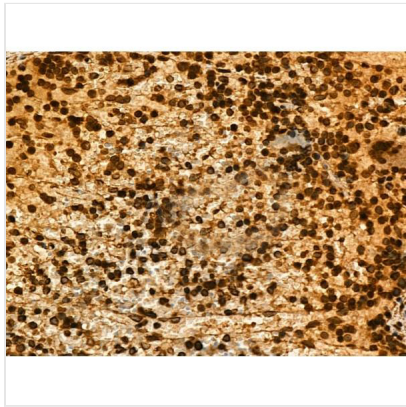
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-HBP1 (Ser402) Antibody detects endogenous levels of HBP1 only when phosphorylated at Ser402.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-HBP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA (Peptide ELISA)
Application Notes	IHC: 1:50-1:200 WB: 1:500-1:2000 Peptide ELISA: 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human HBP1 around the phosphorylation site of Ser402.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Ubiquitinated by the CTLH E3 ubiquitin-protein ligase complex, leading to subsequent proteasomal degradation.
Subunit Structure	Binds the second PAH repeat of SIN3A (Probable). Binds TCF4. Binds RB1.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



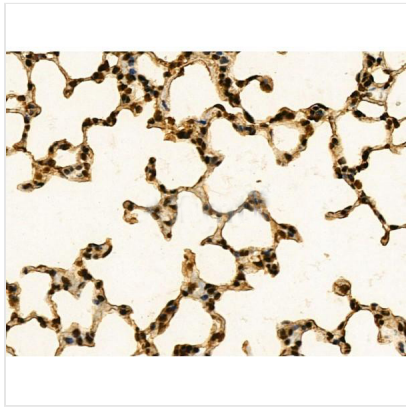
IHC (Immunohistochemistry)
At 1/100 staining Mouse brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



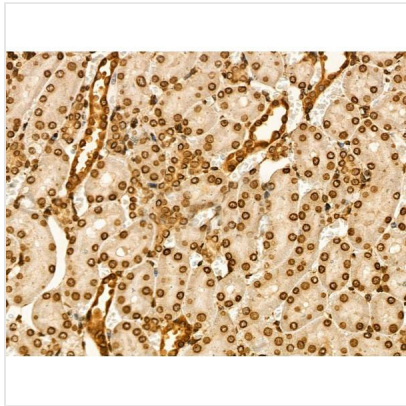
IHC (Immunohistochemistry)
At 1/100 staining Rat liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



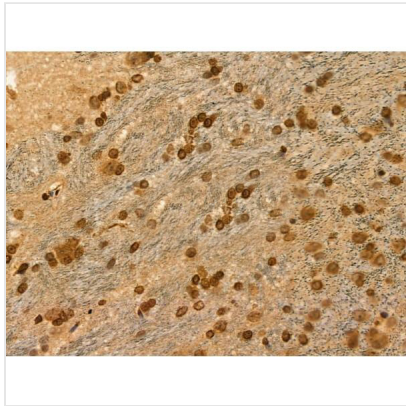
IHC (Immunohistochemistry)
At 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Rat lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HBP1 antibody	Transcriptional repressor that binds to the promoter region of target genes. Plays a role in the regulation of the cell cycle and of the Wnt pathway. Binds preferentially to the sequence 5'-TTCATTCATTCA-3'. Binding to the histone H1.0 promoter is enhanced by interaction with RB1. Disrupts the interaction between DNA and TCF4.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	346716352
NCBI GeneID	26959
NCBI Accession #	NP_001231191.1
NCBI GenBank Nucleotide #	NM_001244262.1
UniProt Accession #	O60381; Q8TBM1; Q8TE93; Q96AJ2; B3KVB7
Molecular Weight	57,645 Da
NCBI Official Full Name	HMG box-containing protein 1 isoform 1
NCBI Official Synonym Full Names	HMG-box transcription factor 1
NCBI Official Symbol	HBP1
NCBI Protein Information	HMG box-containing protein 1; HMG box transcription factor 1; high mobility group box transcription factor 1
UniProt Protein Name	HMG box-containing protein 1
UniProt Gene Name	HBP1
UniProt Entry Name	HBP1_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/hbp1-antibody-western-blot-immunohistochemistry-peptide-elisa-elisa/31326>