

Rabbit HBP1 Polyclonal Antibody | anti-HBP1 antibody

HBP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329610	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

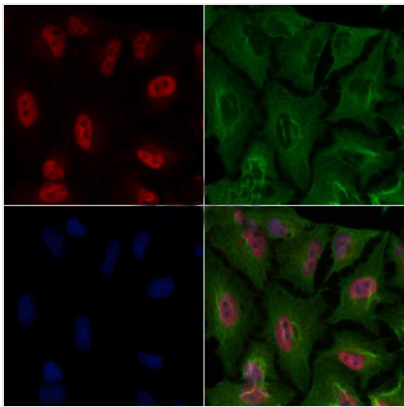
PRODUCT SYNONYMS

HBP1; Polyclonal Antibody; HBP1 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

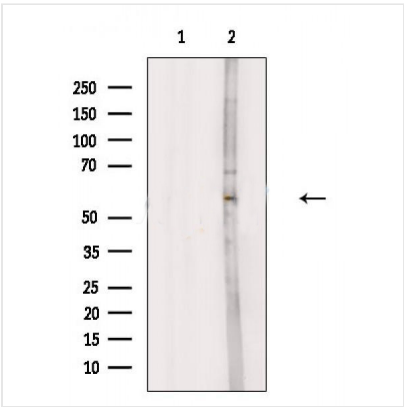
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	HBP1 Antibody detects endogenous levels of total HBP1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin
Form/Format	Liquid. Rabbit IgG in phosphate 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	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HBP1.
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.

IMAGES



IF (Immunofluorescence)

Staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(AF6844) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



WB (Western Blot)

Western blot analysis of extracts from A549 cells (H₂O₂ treatment), using HBP1 Antibody. The lane on the left was treated with blocking peptide.

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.