

Rabbit HBXIP Polyclonal Antibody | anti-HBXIP antibody

HBXIP Antibody

CATALOG # AAA323100	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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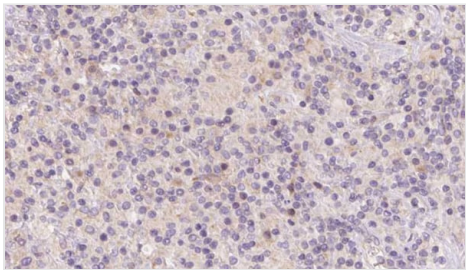
PRODUCT SYNONYMS

HBXIP; Polyclonal Antibody; HBXIP Antibody; HBV X interacting protein; HBV X-interacting protein; HBX interacting protein; HBX-interacting protein; hbxip; HBXIP_HUMAN; Hepatitis B virus X interacting protein; Hepatitis B virus X-interacting protein; LAMTOR5; Late endosomal/lysosomal adaptor MAPK and MTOR activator 5; MGC71071; Ragulator complex protein LAMTOR5; XIP; anti-HBXIP antibody

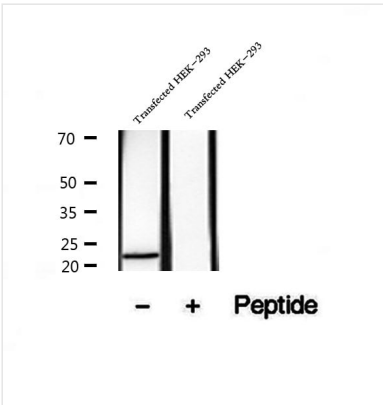
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	HBXIP antibody detects endogenous levels of HBXIP.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	173
Applicable Applications for anti-HBXIP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human HBXIP.
Subcellular Location	Cytoplasm.
Tissue Specificity	Highly expressed in skeletal and cardiac muscle, followed by pancreas, kidney, liver, brain, placenta and lung. Elevated levels in both cancerous and non-cancerous liver tissue of patients with chronic HBV infection compared with hepatic tissue without HBV infection.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Rabbit (100%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323100 at 1/100 staining Human lymph cancer 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 antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of MCF-7 cells, using HBXIP antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HBXIP antibody	Function: As part of the Ragulator complex it is involved in amino acid sensing and activation of mTORC1, a signaling complex promoting cell growth in response to growth factors, energy levels, and amino acids. Activated by amino acids through a mechanism involving the lysosomal V-ATPase, the Ragulator functions as a guanine nucleotide exchange factor activating the small GTPases Rag. Activated Ragulator and Rag GTPases function as a scaffold recruiting mTORC1 to lysosomes where it is in turn activated. When complexed to BIRC5, interferes with apoptosome assembly, preventing recruitment of pro-caspase-9 to oligomerized APAF1, thereby selectively suppressing apoptosis initiated via the mitochondrial/cytochrome c pathway. Down-regulates hepatitis B virus (HBV) replication. Subunit Structure: Homodimer (Probable). Part of the Ragulator complex composed of LAMTOR1, LAMTOR2, LAMTOR3, LAMTOR4 and LAMTOR5. LAMTOR4 and LAMTOR5 form a heterodimer that interacts, through LAMTOR1, with a LAMTOR2, LAMTOR3 heterodimer. The Ragulator complex interacts with both the mTORC1 complex and heterodimers constituted of the Rag GTPases RRAGA, RRAGB, RRAGC and RRAGD; regulated by amino acid availability. The Ragulator complex interacts with SLC38A9; the probable amino acid sensor (PubMed:25561175, PubMed:25567906). Interacts with phosphorylated BIRC5; the resulting complex binds pro-caspase-9, as well as active caspase-9, but much less efficiently. Interacts with SUPV3L1. Interacts with hepatitis B virus (HBV) oncoprotein HBX C-terminus. Similarity: Belongs to the LAMTOR5 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38788353
NCBI GeneID	10542
NCBI Accession #	NP_006393.2
NCBI GenBank Nucleotide #	NM_006402.2
UniProt Accession #	O43504; Q6IBD8
Molecular Weight	Observed: 22 kDa Predicted: 10 kDa
NCBI Official Full Name	ragulator complex protein LAMTOR5
NCBI Official Synonym Full Names	late endosomal/lysosomal adaptor, MAPK and MTOR activator 5
NCBI Official Symbol	LAMTOR5
NCBI Official Synonym Symbols	XIP; HBXIP
NCBI Protein Information	ragulator complex protein LAMTOR5
UniProt Protein Name	Ragulator complex protein LAMTOR5

UniProt Gene Name	LAMTOR5
UniProt Synonym Gene Names	HBXIP; XIP; HBV X-interacting protein; HBX-interacting protein

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/hbxip-antibody-immunohistochemistry-western-blot-elisa/323100>