

Rabbit anti-Human, Mouse Bit1 Polyclonal Antibody | anti-Bit1 antibody

Bit1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA308135	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

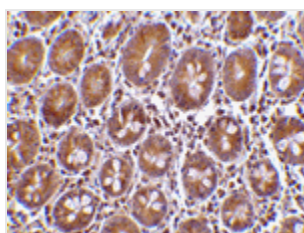
PRODUCT SYNONYMS

Bit1; Polyclonal Antibody; Bit1 Antibody; Bcl-2 inhibitor of transcription 1; Peptidyl-tRNA hydrolase 2; anti-Bit1 antibody

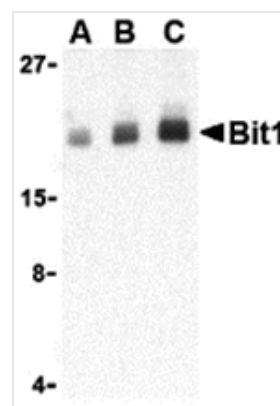
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	179
Applicable Applications for anti-Bit1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the center of human Bit1.
Target Name	Bit1
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of Bit1 in human small intestine tissue with Bit1 antibody at 10 ug/mL.



WB (Western Blot)
Western blot analysis of Bit1 in Daudi cell lysate with Bit1 antibody at (A) 1, (B) 2, and (C) 4 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-Bit1 antibody	Adhesion to extracellular matrix regulates cell survival through both integrin engagement and appropriate cell spreading. Anoikis is the molecular mechanism of apoptosis induced by integrin detachment. Bit1 (Bcl-2 inhibitor of transcription 1) was recently identified as being involved in this process. Bit1 is a mitochondrial protein that is released into the cytoplasm upon onset of apoptosis where it forms a complex with AES, a small Groucho/transducin-like enhancer of split (TLE) protein and induces caspase-independent apoptosis. Both AES and TLE proteins are transcriptional co-repressors that play important roles in neurogenesis, segmentation, and sex determination. It has been suggested that Bit1-AES complexes turn off a survival-promoting gene transcription program controlled by TLE. Interestingly, apoptosis of cells transfected with Bit1 and AES could be inhibited if the cells were allowed to attach to fibronectin through the alpha5beta1 integrin suggesting that the Bit1-AES pathway contributing to anoikis is regulated by integrins, and in particular, the alpha5beta1 integrin.
Product Categories/Family for anti-Bit1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706351
NCBI GeneID	51651
NCBI Accession #	NP_057161
NCBI GenBank Nucleotide #	NM_016077.4
Molecular Weight	19,194 Da
NCBI Official Full Name	peptidyl-tRNA hydrolase 2, mitochondrial isoform b
NCBI Official Synonym Full Names	peptidyl-tRNA hydrolase 2
NCBI Official Symbol	PTRH2
NCBI Official Synonym Symbols	PTH; BIT1; PTH2; PTH 2; CFAP37; IMNEPD; CGI-147
NCBI Protein Information	peptidyl-tRNA hydrolase 2, mitochondrial
UniProt Protein Name	Peptidyl-tRNA hydrolase 2, mitochondrial
UniProt Gene Name	PTRH2
UniProt Synonym Gene Names	BIT1; PTH2; PTH 2
UniProt Entry Name	PTH2_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/bit1-antibody-immunohistochemistry-western-blot-elisa/308135>