Datasheet for ABIN6990570

anti-PTRH2 antibody (AA 80-130)

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Overview

Quantity:	0.1 mg
Target:	PTRH2
Binding Specificity:	AA 80-130
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTRH2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Bit1 antibody was raised against a 16 amino acid synthetic peptide from near the center of human Bit1. The immunogen is located within amino acids 80 - 130 of Bit1.
Isotype:	IgG
Purification:	Bit1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PTRH2
Alternative Name:	Bit1 (PTRH2 Products)
Background:	Bit1 Antibody: Adhesion to extracellular matrix regulates cell survival through both integrin engagement and appropriate cell spreading. Anoikis is the molecular mechanism of apop-tosis

Target Details

	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.
Gene ID:	51651
NCBI Accession:	NP_057161
UniProt:	Q9Y3E5

Application Details

Application Notes:	Bit1 antibody can be used for the detection of Bit1 by Western blot at 1 - 4 µ,g/mL. Antibody can also be used for immunohistochemistry starting at 10 µ,g/mL. For immunofluorescence start at 20 µ,g/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Bit1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C

Handling

Storage Comment:	Bit1 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.