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Hrk BH3 Domain Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1311a

Product Information

Application	WB, IHC-P, E
Primary Accession	O00198
Other Accession	NP_003797
Reactivity	Human, Mouse
Predicted	Bovine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB04688
Calculated MW	9884
Antigen Region	15-50

Additional Information

Gene ID	8739
Other Names	Activator of apoptosis harakiri, BH3-interacting domain-containing protein 3, Neuronal death protein DP5, HRK, BID3
Target/Specificity	This Hrk BH3 Domain antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-50 amino acids from human Hrk BH3 Domain.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Hrk BH3 Domain Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	HRK
Synonyms	BID3

Function	Promotes apoptosis.
Cellular Location	Membrane; Single-pass membrane protein. Mitochondrion

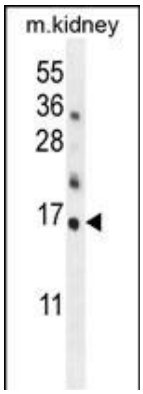
Background

Activator of apoptosis Hrk regulates apoptosis through interaction with death-repressor proteins Bcl-2 and Bcl-X(L). The HRK protein lacks significant homology to other BCL2 family members except for an 8-amino acid region that was similar to the BCL2 homology domain-3 (BH3) motif of BIK. HRK interacts with BCL2 and BCLXL via the BH3 domain, but not with the death-promoting BCL2-related proteins BAX, BAK, or BCLXS. HRK localizes to membranes of intracellular organelles in a pattern similar to that previously reported for BCL2 and BCLXL.

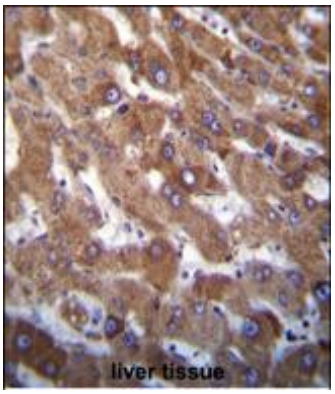
References

Wakabayashi, T., et al., Neurosci. Lett. 318(2):77-80 (2002).
Inohara, N., et al., EMBO J. 16(7):1686-1694 (1997).

Images



Hrk-BH3 (Cat. #AP1311a) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the Hrk antibody detected the Hrk protein (arrow).



Hrk BH3 Domain Antibody (Cat. #AP1311a)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of Hrk BH3 Domain Antibody for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- Satellite glia as a critical component of diabetic neuropathy: Role of lipocalin-2 and pyruvate dehydrogenase kinase-2 axis in the dorsal root ganglion

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.