

**Hrk BH3 Domain Antibody**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1311a**

**Specification**

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**Hrk BH3 Domain Antibody - Product Information**

Application	IHC-P, WB,E
Primary Accession	<a href="#">O00198</a>
Other Accession	<a href="#">NP_003797</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	9884
Antigen Region	15-50

**Hrk BH3 Domain Antibody - 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**

IHC-P~~1:10~50

WB~~1:1000

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.

**Hrk BH3 Domain Antibody - Protein Information**

**Name** HRK

## Synonyms BID3

**Function** Promotes apoptosis.

## Cellular Location

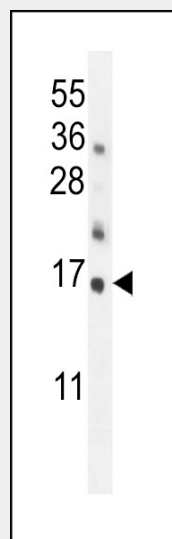
Membrane; Single-pass membrane protein. Mitochondrion

## Hrk BH3 Domain Antibody - Protocols

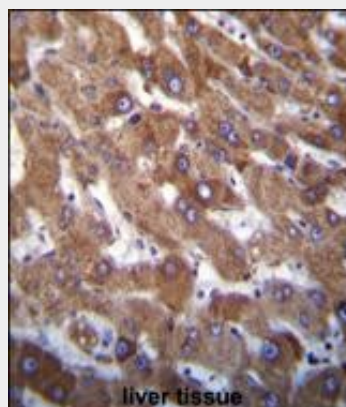
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Hrk BH3 Domain Antibody - 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.

### **Hrk BH3 Domain Antibody - 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.

### **Hrk BH3 Domain Antibody - References**

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

### **Hrk BH3 Domain Antibody - 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](#)