

**Hrk BH3 Domain Antibody Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1311a****Specification**

---

**Hrk BH3 Domain Antibody Blocking Peptide - Product Information**

Primary Accession [O00198](#)  
Other Accession [NP\\_003797](#)

**Hrk BH3 Domain Antibody Blocking Peptide - 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**

The synthetic peptide sequence used to generate the antibody [AP1311a](/product/products/AP1311a) was selected from the region of human Hrk BH3 Domain. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Hrk BH3 Domain Antibody Blocking Peptide - Protein Information**

**Name** HRK

**Synonyms** BID3

**Function**

Promotes apoptosis.

**Cellular Location**

Membrane; Single-pass membrane protein. Mitochondrion

**Hrk BH3 Domain Antibody Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **Hrk BH3 Domain Antibody Blocking Peptide - Images**

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

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