

Product datasheet for **AP00058PU-N**

HRK Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1 µg/ml.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to residues surrounding amino acids 50 of human HRK.
Specificity:	The antibody detects Hrk fused with green fluorescent protein in crude extracts of E. coli transfected with Hrk-GFP.
Formulation:	PBS, pH 7.2, containing 50% glycerol, 1% BSA, 0.02% sodium azide State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	harakiri, BCL2 interacting protein
Database Link:	Entrez Gene 8739 Human O00198



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Background:

Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells. Hrk, a pro-apoptotic member of the Bcl-2 homology domain-3 (BH3) group of the Bcl-2 family of proteins, was identified as a novel protein induced during programmed neuronal death. It lacks significant homology to other Bcl-2 family members except for an 8-amino acid region that is similar to the BH3 motif of Bik. Hrk regulates apoptosis through interaction with the anti-apoptotic proteins Bcl-2 and Bcl-XL via this domain. It does not interact with the pro-apoptotic proteins Bax, Bak, or Bcl-XS. Hrk localizes to mitochondrial membranes in a pattern similar to that previously reported for Bcl-2 and Bcl-XL. Despite its predicted molecular weight, Hrk often migrates at 12-15 kDa.

Synonyms:

Neuronal death protein DP5, BID3

Protein Families:

Druggable Genome, Transmembrane