



# Human BIN1 blocking peptide (CDBP0599)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-BIN1 antibody
<b>Antigen Description</b>	This gene encodes several isoforms of a nucleocytoplasmic adaptor protein, one of which was initially identified as a MYC-interacting protein with features of a tumor suppressor. Isoforms that are expressed in the central nervous system may be involved in synaptic vesicle endocytosis and may interact with dynamin, synaptojanin, endophilin, and clathrin. Isoforms that are expressed in muscle and ubiquitously expressed isoforms localize to the cytoplasm and nucleus and activate a caspase-independent apoptotic process. Studies in mouse suggest that this gene plays an important role in cardiac muscle development. Alternate splicing of the gene results in ten transcript variants encoding different isoforms. Aberrant splice variants expressed in tumor cell lines have also been described.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">BIN1 bridging integrator 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	BIN1

<b>Synonyms</b>	BIN1; bridging integrator 1; AMPHL; myc box-dependent-interacting protein 1; AMPH2; amphiphysin II; SH3P9; amphiphysin-like protein; box dependant MYC interacting protein 1; box-dependent myc-interacting protein 1; MGC10367; DKFZp547F068;
<b>Entrez Gene ID</b>	<a href="#">274</a>
<b>mRNA Refseq</b>	<a href="#">NM_004305</a>
<b>Protein Refseq</b>	<a href="#">NP_004296</a>
<b>UniProt ID</b>	O00499
<b>Chromosome Location</b>	2q14
<b>Pathway</b>	Arf6 trafficking events, organism-specific biosystem;
<b>Function</b>	GTPase binding; protein binding; protein heterodimerization activity;