

## Datasheet

### **BIN1 purified MaxPab rabbit polyclonal antibody (D01P)**

**Catalog Number:** H00000274-D01P

**Regulation Status:** For research use only (RUO)

**Product Description:** Rabbit polyclonal antibody raised against a full-length human BIN1 protein.

**Immunogen:** BIN1 (NP\_647598.1, 1 a.a. ~ 482 a.a) full-length human protein.

**Sequence:**

MAEMGSKGVTAGKIASNVQKKLTRAQEKVLQKLGKAD  
ETKDEQFEQCVQNFNKQLTEGTRLQKDLRTYLASVKA  
MHEASKKLNECLQEVEPDWPGRDEANKIAENNDLL  
WMDYHQKLVDQALLTMDTYLGQFPDIKSRIAKRGRKL  
VDYDSARHHYESLQTAKKKDEAKIAKEEELIKAQKVF  
EEMNVDLQEELPSLWNSRVGFYVNTFQSIAGLEENFH  
KEMSKLNQNLNDVLVGLEKQHGSNTFTVKAQPSDNA  
PAKGNKSPSPPDGSPAATPEIRVNHEPEPAGGATPGA  
TLPKSPSQLRKGPVPPPPKHTPSKEVKQEQLSLFED  
TFVPEISVTTSPSQAEASEVAGGTQPAAGAQEPGETA  
ASEAASSSLPAVVVETFPATVNGTVEGGSGAGRLDLP  
PGFMFKVQAQHDYTATDDELQLKAGDVVLVIPFQNP  
EEQDEGWLMGVKESDWNQHKLEKCRGVFPENFTE  
RVP

**Host:** Rabbit

**Reactivity:** Human

**Applications:** IF, WB-Tr

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 274

**Gene Symbol:** BIN1

**Gene Alias:** AMPH2, AMPHL, DKFZp547F068, MGC10367, SH3P9

**Gene Summary:** 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. [provided by RefSeq]