

## Mouse Monoclonal Antibody to BIN1

Catalogue Number	sAP-1386
Target Molecule	<b>Name:</b> BIN1 <b>Aliases:</b> AMPH2; AMPHL; SH3P9 <b>MW:</b> 64.7kDa <b>Entrez Gene ID:</b> 274
Description	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, synaptosomal-associated protein 25 kDa, 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 several transcript variants encoding different isoforms. Aberrant splice variants expressed in tumor cell lines have also been described.;
Immunogen	Purified recombinant fragment of human BIN1 (AA: 189-398) expressed in E. Coli.
Recitative Species	Human; Mouse;
Clone	MM3B6F10;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: ; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Trends Mol Med. 2013 Oct;19(10):594-603. ; 2.Mol Med. 2012 May 9;18:507-18. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**