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Anti-SH3GLB1 / Bif / Endophilin B1 Antibody (aa373-386)

Goat Anti Human Polyclonal Antibody
Catalog # ALS17908

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9Y371
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Hamster, Monkey, Chicken, Xenopus
Host	Goat
Clonality	Polyclonal
Calculated MW	40796
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	51100
Alias Symbol	SH3GLB1
Other Names	SH3GLB1, CGI-61, Endophilin B1, Endophilin-B1, PPP1R70, Bax-interacting factor 1, Bif-1, DJ612B15.2, KIAA0491, SH3-containing protein SH3GLB1
Target/Specificity	Human SH3GLB1 / Bif-1.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-SH3GLB1 / Bif / Endophilin B1 Antibody (aa373-386) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SH3GLB1
Synonyms	KIAA0491
Function	May be required for normal outer mitochondrial membrane dynamics (PubMed:15452144). Required for coatomer-mediated retrograde transport in certain cells (By similarity). May recruit other proteins to membranes with high curvature. May promote membrane fusion (PubMed:11604418). Involved in activation of caspase-dependent apoptosis by promoting BAX/BAK1 activation (PubMed:16227588). Isoform 1 acts proapoptotic in fibroblasts (By similarity). Involved in caspase- independent apoptosis during nutrition starvation and involved in the regulation of autophagy. Activates lipid kinase activity of PIK3C3 during autophagy probably by associating with the PI3K complex II (PI3KC3-C2) (PubMed:17891140). Associated with PI3KC3-C2 during autophagy may regulate the trafficking of ATG9A from the Golgi complex to the peripheral cytoplasm for the formation of autophagosomes by

	inducing Golgi membrane tubulation and fragmentation (PubMed:21068542). Involved in regulation of degradative endocytic trafficking and cytokinesis, probably in the context of PI3KC3-C2 (PubMed:20643123). Isoform 2 acts antiapoptotic in neuronal cells; involved in maintenance of mitochondrial morphology and promotes neuronal viability (By similarity).
Cellular Location	Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein. Mitochondrion outer membrane; Peripheral membrane protein. Cytoplasmic vesicle, autophagosome membrane. Midbody. Note=Association with the Golgi apparatus depends on the cell type (By similarity). Following starvation colocalizes with ATG5 and LC3 autophagy-related protein(s)on autophagosomal membranes (PubMed:17891140). {ECO:0000250, ECO:0000269|PubMed:17891140}
Tissue Location	Highly expressed in heart, skeletal muscle, kidney and placenta. Detected at lower levels in brain, colon, thymus, spleen, liver, small intestine, lung and peripheral blood leukocytes