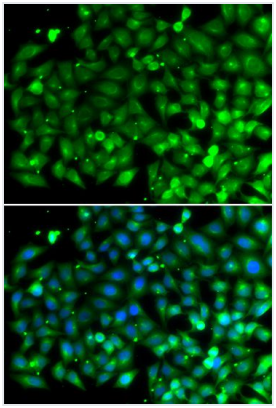
SH3GLB1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SH3GLB1, Polyclonal Antibody
Full Product Name	SH3GLB1 Polyclonal Antibody
Product Gene Name	anti-SH3GLB1 antibody
Product Synonym Names	Bif-1; CGI-61; PPP1R70; dJ612B15.2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity Purification
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	365
OMIM	609287
3D Structure	ModBase 3D Structure for Q9Y371
Species	Human
Immunogen	Recombinant protein of human SH3GLB1
Calculated Molecular Weight	41kDa
Product Categories/Family for anti-SH3GLB1 antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SH3GLB1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-SH3GLB1 antibody	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200 IF: 1:50 - 1:100
Related Product Information for anti-SH3GLB1 antibody	This gene encodes a SRC homology 3 domain-containing protein. The encoded protein interacts with the proapoptotic member of the Bcl-2 family, Bcl-2-associated X protein (Bax) and may be involved in regulating apoptotic signaling pathways. This protein may also be involved in maintaining mitochondrial morphology. Alternate splicing results in multiple transcript variants.
Other Notes	Small volumes of anti-SH3GLB1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SH3GLB1 purchase	MBS9126530 is an antibody targeting SH3GLB1. Also known as SH3GLB1 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Immunofluorescence (IF) of anti-SH3GLB1 antibody
Immunofluorescence analysis of A549 cells using SH3GLB1 antibody. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SH3GLB1. It may not necessarily be applicable to this product.

NCBI GI #	41018158
NCBI GeneID	51100
NCBI Accession #	Q9Y371.1
UniProt Primary Accession #	Q9Y371
UniProt Secondary Accession #	Q5H8U5; Q9H3Z0; Q9NR47; Q9NYA9; B4E182
UniProt Related Accession #	Q9Y371
NCBI Official Full Name	Endophilin-B1
NCBI Official Synonym Full Names	SH3-domain GRB2-like endophilin B1
NCBI Official Symbol	SH3GLB1
NCBI Official Synonym Symbols	Bif-1; CGI-61; PPP1R70; dJ612B15.2
UniProt Protein Name	Endophilin-B1
UniProt Synonym Protein Names	Bax-interacting factor 1; Bif-1; SH3 domain-containing GRB2-like protein B1
Protein Family	Endophilin
UniProt Gene Name	SH3GLB1
UniProt Synonym Gene Names	KIAA0491; Bif-1
UniProt Entry Name	SHLB1_HUMAN
NCBI Protein Information	endophilin-B1; Bax-interacting factor 1; SH3-containing protein SH3GLB1; SH3 domain-containing GRB2-like protein B1; protein phosphatase 1, regulatory subunit 70

UniProt Comments for SH3GLB1	SH3GLB1: May be required for normal outer mitochondrial membrane dynamics. Required for coatomer-mediated retrograde transport in certain cells. May recruit other proteins to membranes with high curvature. May promote membrane fusion. Binds DNM1, HTT, AMPH, BIN1 and ARFGAP1. Homodimer, and heterodimer with SH3GLB2. Binds BAX. Induction of apoptosis augments BAX binding. 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. Belongs to the endophilin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Apoptosis; Transferase; EC 2.3.1.-; Autophagy; Mitochondrial Chromosomal Location of Human Ortholog: 1p22 Cellular Component: Golgi membrane; mitochondrial outer membrane; cytoplasm Molecular Function: identical protein binding; protein binding; protein homodimerization activity; lipid binding Biological Process: positive regulation of protein oligomerization; apoptosis; protein oligomerization
Research Articles on SH3GLB1	**1.** Data suggest that activated autophagy is associated with the progression of pancreatic ductal adenocarcinoma and that the overexpression of autophagy-related proteins Atg5, Ambra1, beclin-1, LC3B and Bif-1 is significantly correlated with poor outcome.
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