Endophilin B1 (SH3GLB1) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Endophilin B1 (SH3GLB1), Polyclonal Antibody
Full Product Name	Endophilin B1 (Y80) Rabbit pAb
Product Gene Name	anti-SH3GLB1 antibody
Product Synonym Names	Endophilin-B1; Bax-interacting factor 1; Bif-1; SH3 domain-containing GRB2-like protein B1; SH3GLB1; KIAA0491
Clonality	Polyclonal
Isotype	Ig
Clone Number	RB15350
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
OMIM	609287
3D Structure	ModBase 3D Structure for Q9Y371
Immunogen	This Endophilin B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 59-86 amino acids from human Endophilin B1.
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SH3GLB1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-SH3GLB1 antibody	WB: 1:1000 IHC: 1:10-50
Related Product Information for anti-SH3GLB1 antibody	MBS8555192 is an antibody targeting SH3GLB1. Also known as Endophilin B1 (Y80) Rabbit pAb. Reactive in Human. Host: Rabbit.
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.

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 Related Accession #	Q9Y371
NCBI Official Full Name	Endophilin-B1

NCBI Official Synonym Full Names	SH3 domain containing 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
NCBI Summary for SH3GLB1	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. [provided by RefSeq, Sep 2011]
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: EC 2.3.1.-; Autophagy; Mitochondrial; Transferase; Apoptosis 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.** Here the authors report that Endophilin B2, similarly to Endophilin B1, plays an indispensable role in mitochondria sequestration and inner mitochondrial membrane (IMM) protein degradation during mitophagy.
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