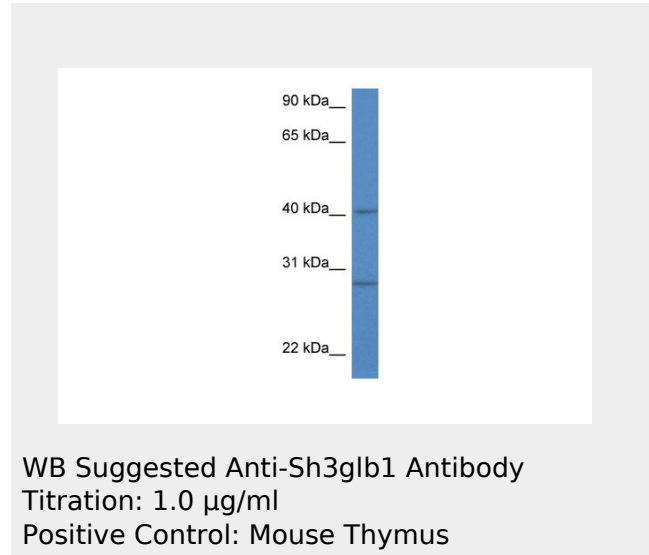


Sh3glb1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14334**Specification****Sh3glb1 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	Q9JK48
Other Accession	NM_019464 , NP_062337
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Mouse, Rat, Rabbit, Pig, Chicken, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40kDa KDa

Sh3glb1 antibody - N-terminal region - Additional Information**Gene ID** 54673**Alias Symbol** AA409932,
AI314629,
AU015566, Bif-1,
KIAA0491,
mKIAA0491**Other Names**Endophilin-B1, SH3 domain-containing
GRB2-like protein B1, Sh3glb1, Kiaa0491**Format**Liquid. Purified antibody supplied in 1x PBS
buffer with 0.09% (w/v) sodium azide and
2% sucrose.**Reconstitution & Storage**Add 50 ul of distilled water. Final
anti-Sh3glb1 antibody concentration is 1
mg/ml in PBS buffer with 2% sucrose. For
longer periods of storage, store at 20°C.
Avoid repeat freeze-thaw cycles.**Precautions**

Sh3glb1 antibody - N-terminal region is for

**Sh3glb1 antibody - N-terminal region - References**Modregger J., et al. J. Biol. Chem.
278:4160-4167(2003).
Okazaki N., et al. DNA Res. 11:205-218(2004).
Carninci P., et al. Science 309:1559-1563(2005).
Yang J.S., et al. Nat. Cell Biol.
8:1376-1382(2006).

research use only and not for use in diagnostic or therapeutic procedures.

Sh3glb1 antibody - N-terminal region - Protein Information

Name Sh3glb1

Synonyms Kiaa0491

Function

May be required for normal outer mitochondrial membrane dynamics. Required for coatomer-mediated retrograde transport in certain cells (PubMed:17086176). May recruit other proteins to membranes with high curvature. May promote membrane fusion (By similarity). Involved in activation of caspase-dependent apoptosis by promoting BAX/BAK1 activation (PubMed:16227588). Isoform 1 acts proapoptotic in fibroblasts (PubMed:24523556). Involved in caspase-independent apoptosis during nutrition starvation and involved in the regulation of autophagy. Activates lipid kinase activity of PI3K3 during autophagy probably by associating with the PI3K complex II (PI3K3-C2). Associated with PI3K3-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. Involved in regulation of degradative endocytic trafficking and cytokinesis, probably in the context of PI3K3-C2 (By similarity). Isoform 2 acts antiapoptotic in neuronal cells; involved in maintenance of mitochondrial morphology and promotes neuronal viability (PubMed:24523556).

Cellular Location

Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q6AYE2}. Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q9Y371};

Peripheral membrane protein
{ECO:0000250|UniProtKB:Q9Y371}.
Cytoplasmic vesicle, autophagosome
membrane
{ECO:0000250|UniProtKB:Q9Y371}.
Midbody
{ECO:0000250|UniProtKB:Q9Y371}.
Note=Association with the Golgi apparatus
depends on the cell type. Following
starvation colocalizes with ATG5 and LC3
autophagy-related protein(s) on
autophagosomal membranes.
{ECO:0000250|UniProtKB:Q9Y371}

Tissue Location

Isoform 1 is widely expressed. Isoform 2 is
brain- specific. Isoform 3 is predominantly
expressed in testis, but it is also detected in
liver and, at much lower levels, in skin,
stomach and ovary.

Sh3glb1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you
may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)