

Rabbit anti-Human SH3GLB1 Polyclonal Antibody | anti-SH3GLB1 antibody

Anti-SH3GLB1 Antibody, Rabbit Polyclonal

CATALOG # AAA256184	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

SH3GLB1; Polyclonal Antibody; Anti-SH3GLB1 Antibody; Rabbit Polyclonal; SH3GLB1 Antibody; Rabbit PAb; Antigen Affinity Purified; SH3-domain GRB2-like endophilin B1; Anti-Bif-1 Antibody; Anti-CGI-61 Antibody; Anti-dJ612B15.2 Antibody; Anti-PPP1R70 Antibody; anti-SH3GLB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SH3GLB1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SH3GLB1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human SH3GLB1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SH3GLB1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

SH3GLB1 was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate 4 uL anti-SH3GLB1 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-SH3GLB1 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 40 kDa. Observed band size: 43 kDa.



WB (Western Blot)

Anti-SH3GLB1 rabbit polyclonal antibody at 1:500 dilution. Lane A: Jurkat Whole Cell Lysate. Lane B: K562 Whole Cell Lysate. Lane C: A431 Whole Cell Lysate. Lane D: H1299 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 40 kDa. Observed band size: 40 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-SH3GLB1 antibody	Endophilin-B1, also known as Bax-interacting factor 1 (Bif-1, and encoded by SH3GLB1), is a multifunctional protein involved in apoptosis, autophagy, and mitochondrial function. SH3GLB1 shows strong similarities to the SH3 domain-containing proteins of the endophilin family and presumably represents the human homolog of the potential <i>Caenorhabditis elegans</i> SH3 containing-protein identified by systematic translation of the <i>C. elegans</i> genome (GenBank Accession No. U46675). SH3GLB1 is a membrane curvature-inducing protein that interacts with BECN1 through UVRAG and regulates the post-Golgi trafficking of membrane-integrated ATG9A for autophagy. SH3GLB1 controls CHRN endocytic trafficking in a phosphorylation-and RAB5-dependent manner at steps upstream of autophagosome formation. At the premalignant stage, allelic loss of Sh3glb1 enhances Myc-induced chromosomal instability and results in the upregulation of anti-apoptotic proteins, including MCL1 and BCL2L1.
References	Wang DB, et al. (2015) Loss of endophilin-b1 exacerbates alzheimer's disease pathology. <i>Brain</i> 138 (Pt 7): 2005-2019.Takahashi Y, et al. (2013) Sh3glb1/bif-1 and mitophagy: Acquisition of apoptosis resistance during myc-driven lymphomagenesis. <i>Autophagy</i> 9 (7): 1107-1109.Pierrat B, et al. (2001) Sh3glb, a new endophilin-related protein family featuring an sh3 domain. <i>Genomics</i> 71 (2): 222-234.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sh3glb1-antibody-immunoprecipitation-western-blot-elisa/256184>