

Rabbit anti-Human, Mouse Bif Polyclonal Antibody | anti-SH3GLB1 antibody

Bif Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39328	Rabbit	Human, Mouse	Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Bif; Polyclonal Antibody; Bif Antibody; Bif-1; CGI-61; PPP1R70; dJ612B15.2; KIAA0491; Endophilin-B1; Bax-interacting factor 1; SH3-domain GRB2-like endophilin B1; anti-SH3GLB1 antibody

PRODUCT SPECIFICATIONS

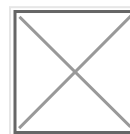
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Bif Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	365
Applicable Applications for anti-SH3GLB1 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	BIF antibody was raised against a 15 amino acid synthetic peptide from near the carboxy terminus of human BIF.
Buffer	Bif Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Bif antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry of BIF in HeLa with BIF antibody at 10 µg/mL.



WB (Western Blot)

Western blot analysis of BIF in HeLa cell lysate with BIF antibody at (A) 1 and (B) 2 µg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-SH3GLB1 antibody	Bif Antibody: Apoptosis plays a major role in normal organism development, tissue homeostasis, and removal of damaged cells and is caused by the activation of proteolytic enzymes termed caspases. Proteins that comprise the Bcl-2 family such as Bax appear to control the activation of these enzymes. Bax activity was found to be regulated by its association with Bax-interacting factor 1 (BIF), a member of the endophilin B family that is associated with intracellular membranes. Following this interaction, Bax undergoes a conformational change and translocates to mitochondrial membranes. The Bax/BIF interaction appears to be enhanced by apoptotic stimuli, suggesting that BIF acts as the trigger to activate Bax, and as suppression of BIF promoted HeLa cell colony formation in soft agar, it may have a role in the suppression of cancer progression. At least two isoforms of BIF are known to exist.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13469879
NCBI GeneID	51100
UniProt Accession #	Q9Y371; Q5H8U5; Q9H3Z0; Q9NR47; Q9NYA9; B4E182
Molecular Weight	29,318 Da
NCBI Official Full Name	Bax-interacting factor 1
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
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 Protein Name	Endophilin-B1
UniProt Gene Name	SH3GLB1
UniProt Synonym Gene Names	KIAA0491; Bif-1
UniProt Entry Name	SHLB1_HUMAN

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.