

Rabbit GBL Polyclonal Antibody | anti-GBL antibody

GBL Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302981	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

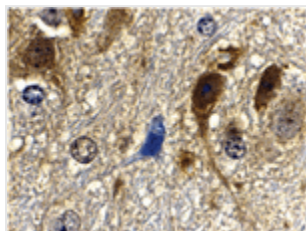
PRODUCT SYNONYMS

GBL; Polyclonal Antibody; GBL Antibody; G beta protein subunit-like; anti-GBL antibody

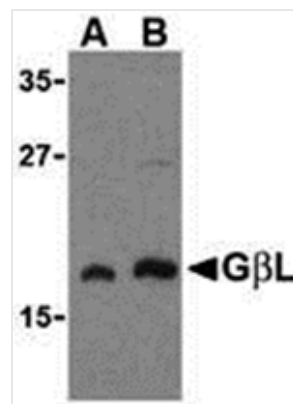
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	326
Applicable Applications for anti-GBL antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 14 amino acid peptide from near the carboxy terminus of human GbL.
Target Name	GBL
Preparation and Storage	Can be stored at -20 degree C, stable for 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


IHC (Immunohistochemistry)

Immunohistochemistry of GbL in mouse brain tissue with GbL antibody at 10 ug/mL.


WB (Western Blot)

Western blot analysis of GbL in human brain cell lysate with GbL antibody at (A) 1 and (B) 2 ug/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-GBL antibody	GbetaL (G protein beta protein subunit-like) is a member of a signaling pathway that regulates mammalian cell growth in response to the presence of nutrients and growth factors. It binds to the kinase domain of TOR (Target of rapamycin, also known as mTOR), an evolutionarily conserved serine/threonine kinase that regulates cell growth and cell cycle through its ability to integrate signals from nutrient levels and growth factors. Rapamycin inhibits TOR resulting in reduced cell growth and reduced rates of cell cycle and cell proliferation. TOR is normally associated with GbetaL and an additional regulatory protein RAPTOR, allowing TOR to control protein biosynthesis. The binding of GbetaL to TOR stimulates TOR's kinase activity towards downstream proteins such as RPS6K (ribosomal protein S6 kinase) and the translation factor 4E-BP1 which leads to increased protein translation and cell growth.
Product Categories/Family for anti-GBL antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	30411038
NCBI GeneID	64223
Molecular Weight	35,748 Da
NCBI Official Full Name	GBL protein
NCBI Official Synonym Full Names	MTOR associated protein, LST8 homolog
NCBI Official Symbol	MLST8
NCBI Official Synonym Symbols	GBL; LST8; POP3; WAT1; GbetaL
NCBI Protein Information	target of rapamycin complex subunit LST8
UniProt Protein Name	Target of rapamycin complex subunit LST8
UniProt Gene Name	MLST8
UniProt Synonym Gene Names	GBL; LST8; TORC subunit LST8; Gable; Protein GbetaL; mLST8
UniProt Entry Name	LST8_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gbl-antibody-immunohistochemistry-western-blot-elisa/302981>