

Datasheet for ABIN2783257
anti-GBAS antibody (Middle Region)[Go to Product page](#)[1 Image](#)[1 Publication](#)

Overview

Quantity:	100 µL
Target:	GBAS
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Guinea Pig, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GBAS antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human GBAS
Sequence:	VPRSGPNIYE LRSYQLRPGT MIEWGNYWAR AIRFRQDGNE AVGGFFSQIG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 93%, Rabbit: 100%, Rat: 93%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against GBAS. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	GBAS
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Target Details

Alternative Name:	GBAS (GBAS Products)
Background:	<p>Chromosomal region 7p12, which contains GBAS, is amplified in approximately 40 % of glioblastomas, the most common and malignant form of central nervous system tumor. The predicted 286-amino acid protein contains a signal peptide, a transmembrane domain, and 2 tyrosine phosphorylation sites. The GBAS transcript is expressed most abundantly in heart and skeletal muscle. GBAS protein might be involved in vesicular transport. Chromosomal region 7p12, which contains GBAS, is amplified in approximately 40 % of glioblastomas, the most common and malignant form of central nervous system tumor. The predicted 286-amino acid protein contains a signal peptide, a transmembrane domain, and 2 tyrosine phosphorylation sites. The GBAS transcript is expressed most abundantly in heart and skeletal muscle. GBAS protein might be involved in vesicular transport.</p> <p>Alias Symbols: NIPSNAP2</p> <p>Protein Interaction Partner: VCP, UBC, SUMO1, NEDD8, AMOT, CDH1, CUL3, EBNA-LP, PRKCI, MAP1LC3A, MAP1LC3B, LARS, ANKFY1, GABARAPL1, GANAB, GABARAPL2, GABARAP, DDX39A, NAMPT, NPEPPS, LONP1, MTA2, SQSTM1, NIPSNAP1, WARS, TARS, PRKDC, PGK1, PFKP, PFAS, PA2G4, HK1, HADHA, FOXO3, FKBP4, A</p> <p>Protein Size: 286</p>
Molecular Weight:	34 kDa
Gene ID:	2631
NCBI Accession:	NM_001483 , NP_001474
UniProt:	O75323
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 286 AA
Restrictions:	For Research Use only

Handling

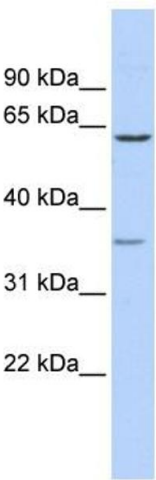
Format:	Liquid
Concentration:	Lot specific

Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	<p>Sharma, Burdon, Chidlow, Klebe, Crawford, Dimasi, Dave, Martin, Javadiyan, Wood, Casson, Danoy, Griggs, Hewitt, Landers, Mitchell, Mackey, Craig: "Association of genetic variants in the TMC01 gene with clinical parameters related to glaucoma and characterization of the protein in the eye." in: Investigative ophthalmology & visual science, Vol. 53, Issue 8, pp. 4917-25, (2012) (PubMed).</p> <p>Burdon, Macgregor, Hewitt, Sharma, Chidlow, Mills, Danoy, Casson, Viswanathan, Liu, Landers, Henders, Wood, Souzeau, Crawford, Leo, Wang, Rochtchina, Nyholt, Martin, Montgomery, Mitchell, Brown et al.: "Genome-wide association study identifies susceptibility loci for open angle glaucoma at TMC01 and CDKN2B-AS1. ..." in: Nature genetics, Vol. 43, Issue 6, pp. 574-8, (2011) (PubMed).</p>
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Western Blotting

Image 1. WB Suggested Anti-GBAS Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: THP-1 cell lysate