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GBAS Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6752c

Specification

GBAS Antibody (Center) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	O75323
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**33743**
Antigen Region	**130-159**

GBAS Antibody (Center) - Additional Information

Gene ID 2631

Other Names
Protein NipSnap homolog 2, NipSnap2, Glioblastoma-amplified sequence, GBAS, NIPSNAP2

Target/Specificity
This GBAS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 130-159 amino acids from the Central region of human GBAS.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
GBAS Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GBAS Antibody (Center) - Protein Information

Name NIPSNAP2 {ECO:0000303|PubMed:30982665, ECO:0000312|HGNC:HGNC:4179}

Function Protein involved in mitophagy by facilitating recruitment of the autophagy machinery

required for clearance of damaged mitochondria (PubMed:30982665). Accumulates on the mitochondria surface in response to mitochondrial depolarization and acts as a 'eat me' signal by recruiting proteins involved in selective autophagy, such as autophagy receptors (CALCOCO2/NDP52, NBR1, SQSTM1/p62, TAX1BP1 and WDFY3/ALFY) and ATG8 family proteins (MAP1LC3A, MAP1LC3B, MAP1LC3C, GABARAP, GABARAPL1 and GABARAPL2) (PubMed:30982665).

Cellular Location
Mitochondrion matrix

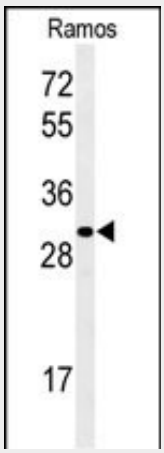
Tissue Location
Widely expressed (PubMed:9615231). Most abundant in heart and skeletal muscle (PubMed:9615231)

GBAS Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GBAS Antibody (Center) - Images



Western blot analysis of GBAS Antibody (Center) (Cat. #AP6752c) in Ramos cell line lysates (35ug/lane).GBAS (arrow) was detected using the purified Pab.

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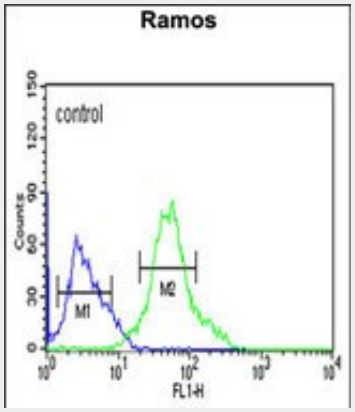
GBAS Antibody (Center) (Cat. #AP6752c) IHC analysis in formalin fixed and paraffin embedded skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GBAS Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



GBAS Antibody (Center) (Cat. #AP6752c) flow cytometric analysis of Ramos cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

GBAS Antibody (Center) - Background

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.

GBAS Antibody (Center) - References

Simpson, J.C., et al. EMBO Rep. 1(3):287-292(2000)
Seroussi, E., et al. Gene 212(1):13-20(1998)
Wang, X.Y., et al. Genomics 49(3):448-451(1998)

GBAS Antibody (Center) - Citations

- NIPSNAP1 and NIPSNAP2 Act as