

# GBAS Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20821c

## Product Information

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Application	WB, E
Primary Accession	<a href="#">O75323</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB50817
Calculated MW	33743

## Additional Information

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Gene ID	2631
Other Names	Protein NipSnap homolog 2, NipSnap2, Glioblastoma-amplified sequence, GBAS, NIPSNAP2
Target/Specificity	This GBAS antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 176-210 amino acids from the Central region of human GBAS.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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.

## Protein Information

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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: <a href="#">30982665</a> ). 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)

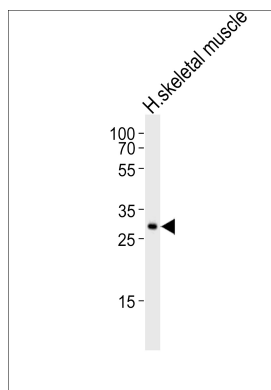
## References

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Wang X.-Y.,et al.Genomics 49:448-451(1998).  
Seroussi E.,et al.Gene 212:13-20(1998).  
Kalnine N.,et al.Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.

## Images

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Western blot analysis of lysate from human skeletal muscle tissue lysate, using GBAS Antibody (Center)(Cat. #AP20821c). AP20821c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.

## Citations

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- [Mitochondrial proteins NIP-SNAP-1 and -2 are a target for the immunomodulatory activity of clarithromycin, which involves NF-κB-mediated cytokine production.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.