

NAGS Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21812c**Specification**

NAGS Antibody (Center) - Product Information

Application	WB,E
Primary Accession	Q8N159
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	58156

NAGS Antibody (Center) - Additional Information**Gene ID** 162417**Other Names**

N-acetylglutamate synthase, mitochondrial, Amino-acid acetyltransferase, N-acetylglutamate synthase long form, N-acetylglutamate synthase short form, N-acetylglutamate synthase conserved domain form, NAGS

Target/Specificity

This NAGS antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 275-309 amino acids from the Central region of human NAGS.

Dilution

WB~~1:1000

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

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

NAGS Antibody (Center) - Protein Information**Name** NAGS

Function Plays a role in the regulation of ureagenesis by producing the essential cofactor N-acetylglutamate (NAG), thus modulating carbamoylphosphate synthase I (CPS1) activity.

Cellular Location

Mitochondrion matrix

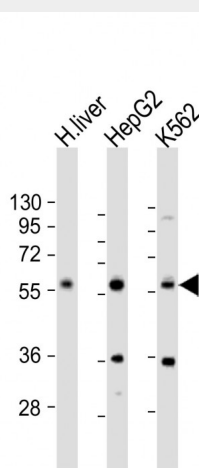
Tissue Location

Highly expressed in the adult liver, kidney and small intestine. Weakly expressed in the fetal liver, lung, pancreas, placenta, heart and brain tissue.

NAGS 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 Cytometry](#)
- [Cell Culture](#)

NAGS Antibody (Center) - Images

All lanes : Anti-NAGS Antibody (Center) at 1:1000 dilution Lane 1: human liver lysate Lane 2: HepG2 whole cell lysate Lane 3: K562 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa Blocking/Dilution buffer: 5% NFD/MTBST.

NAGS Antibody (Center) - Background

Plays a role in the regulation of ureagenesis by producing the essential cofactor N-acetylglutamate (NAG), thus modulating carbamoylphosphate synthase I (CPSI) activity.

NAGS Antibody (Center) - References

Haeberle J., et al. Hum. Mutat. 21:593-597(2003).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Caldovic L., et al. Biochem. Biophys. Res. Commun. 299:581-586(2002).

Zhao G.,et al.PLoS ONE 8:E70369-E70369(2013).
Schmidt E.,et al.Biochim. Biophys. Acta 1740:54-59(2005).