10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NAGS Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21812c

Product Information

Application	WB, E
Primary Accession	Q8N159
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53229
Calculated MW	58156

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

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.

Background

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

References

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Ota T.,et al.Nat. Genet. 36:40-45(2004).
Caldovic L.,et al.Biochem. Biophys. Res. Commun. 299:581-586(2002).
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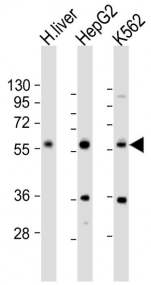
Schmidt E.,et al.Biochim. Biophys. Acta 1740:54-59(2005).

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% NFDM/TBST.