

Datasheet

NAGPA polyclonal antibody (A01)

Catalog Number: H00051172-A01

Regulation Status: For research use only (RUO)

Product Description: Mouse polyclonal antibody raised against a partial recombinant NAGPA.

Immunogen: NAGPA (NP_057340, 309 a.a. ~ 408 a.a) partial recombinant protein with GST tag.

Sequence:

DNMWRCPRQVSTVVCVHEPRCQPPDCHGHGTCVDG
HCQCTGHFWRGPGCDELDCGPSNCSQHGLCTETGC
RCDAGWTGSNCSEECPLGWHGPGCQRPCKC

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Storage Buffer: 50 % glycerol

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 51172

Gene Symbol: NAGPA

Gene Alias: APAA, UCE

Gene Summary: Hydrolases are transported to lysosomes after binding to mannose 6-phosphate receptors in the trans-Golgi network. This gene encodes the enzyme that catalyzes the second step in the formation of the mannose 6-phosphate recognition marker on lysosomal hydrolases. Commonly known as 'uncovering enzyme' or UCE, this enzyme removes N-acetyl-D-glucosamine (GlcNAc) residues from GlcNAc-alpha-P-mannose moieties and thereby produces the recognition marker. This reaction most

likely occurs in the trans-Golgi network. This enzyme functions as a homotetramer of two disulfide-linked homodimers. In addition to having an N-terminal signal peptide, the protein's C-terminus contains multiple signals for trafficking it between lysosomes, the plasma membrane, and trans-Golgi network. [provided by RefSeq]