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

CMAS Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20526b

Product Information

Application	WB, E
Primary Accession	Q8NFW8
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	48379
Antigen Region	300-327

Additional Information

Gene ID	55907
Other Names	N-acylneuraminate cytidylyltransferase, CMP-N-acetylneuraminic acid synthase, CMP-NeuNAc synthase, CMAS
Target/Specificity	This CMAS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 300-327 amino acids from the C-terminal region of human CMAS.
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	CMAS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CMAS
Function	Catalyzes the activation of N-acetylneuraminic acid (NeuNAc) to cytidine 5'-monophosphate N-acetylneuraminic acid (CMP-NeuNAc), a substrate required for the addition of sialic acid. Has some activity toward NeuNAc, N-glycolylneuraminic acid (Neu5Gc) or 2-keto-3-deoxy-D-

glycero-D-galacto-nononic acid (KDN).

Cellular Location Nucleus.

Tissue Location Ubiquitously expressed. Expressed in pancreas, kidney, liver, skeletal muscle, lung, placenta, brain, heart, colon, PBL, small intestine, ovary, testis, prostate, thymus and spleen

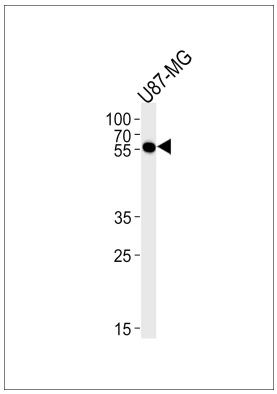
Background

Catalyzes the activation of N-acetylneuraminic acid (NeuNAc) to cytidine 5'-monophosphate N-acetylneuraminic acid (CMP-NeuNAc), a substrate required for the addition of sialic acid. Has some activity toward NeuNAc, N-glycolylneuraminic acid (Neu5Gc) or 2-keto-3-deoxy-D-glycero-D-galacto-nononic acid (KDN).

References

Lawrence S.M., et al. Glycoconj. J. 18:205-213(2001).
Bouquin T., et al. Submitted (MAY-2000) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Bechtel S., et al. BMC Genomics 8:399-399(2007).
Bienvenut W.V., et al. Submitted (AUG-2009) to UniProtKB.

Images



CMAS Antibody (C-term) (Cat. #AP20526b) western blot analysis in U87-MG cell line lysates (35ug/lane).This demonstrates the CMAS antibody detected the CMAS protein (arrow).

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