

# CMAS Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20526b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q8NFW8</a>
<b>Reactivity</b>	Human, Rat, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Calculated MW</b>	48379
<b>Antigen Region</b>	300-327

## Additional Information

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<b>Gene ID</b>	55907
<b>Other Names</b>	N-acylneuraminate cytidyltransferase, CMP-N-acetylneuraminic acid synthase, CMP-NeuNAc synthase, CMAS
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	CMAS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CMAS
<b>Function</b>	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).

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

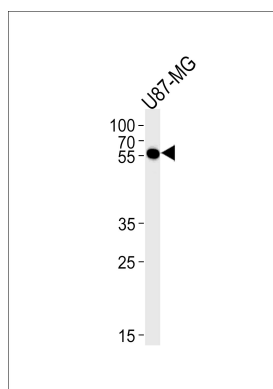
## Background

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'.