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CMAS Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20526b

Specification

CMAS Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q8NFW8
Other Accession	P69060, Q99KK2, Q3SZM5
Reactivity	**Human**
Predicted	**Bovine, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**48379**
Antigen Region	**300-327**

CMAS Antibody (C-term) - 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

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.

CMAS Antibody (C-term) - 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.

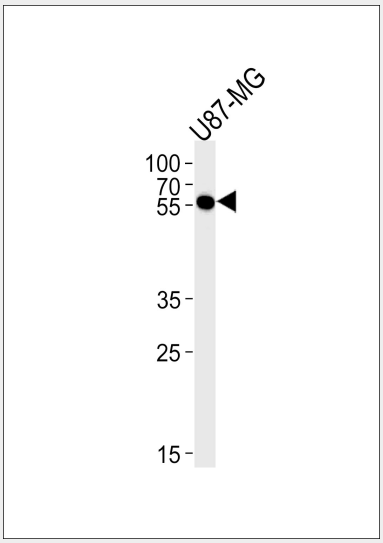
Tissue Location
Ubiquitously expressed. Expressed in pancreas, kidney, liver, skeletal muscle, lung, placenta, brain, heart, colon, PBL, small intestine, ovary, testis, prostate, thymus and spleen

CMAS Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CMAS Antibody (C-term) - 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).

CMAS Antibody (C-term) - 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).

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CMAS Antibody (C-term) - 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.