

Mouse CMAS Monoclonal Antibody | anti-CMAS antibody

CMAS (N-acylneuraminate Cytidyltransferase, CMP-N-acetylneuraminic Acid Synthase, CMP-NeuNAc Synthase) (AP)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24172	Mouse	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

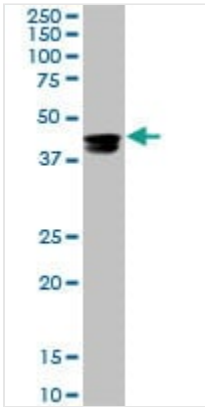
PRODUCT SYNONYMS

CMAS; Monoclonal Antibody; CMAS (N-acylneuraminate Cytidyltransferase; CMP-N-acetylneuraminic Acid Synthase; CMP-NeuNAc Synthase) (AP); anti-CMAS antibody

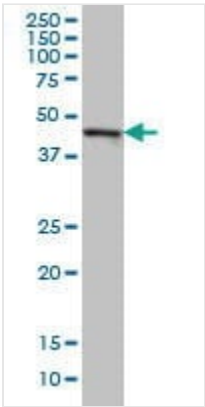
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	5A2
Specificity	Recognizes human CMAS. Species Crossreactivity: mouse and rat.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Applicable Applications for anti-CMAS antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa164-264 from human CMAS (NP_061156) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	EGYDSVFSVRRHQFRWSEIQKGVREVTEPLNLPKRPRRQDWGELYENGsfYFAKRHLIEMGYLQGGKMAYYEMRAEHSVDIDVDIDWPIAEQRV
Conjugate	AP
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

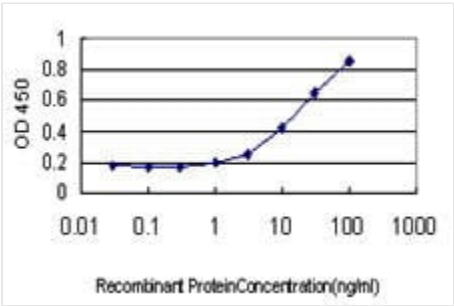
IMAGES



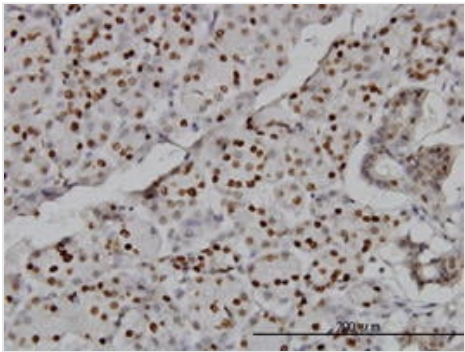
WB (Western Blot)
CMAS monoclonal antibody. Western Blot analysis of CMAS expression in Raw 264.7.



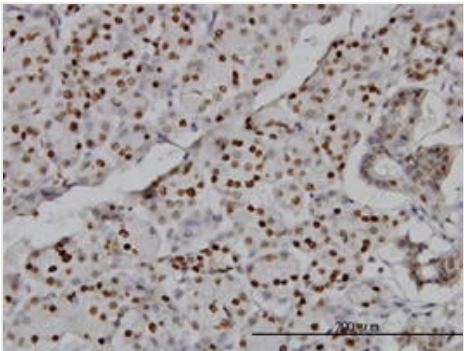
WB (Western Blot)
CMAS monoclonal antibody, Western Blot analysis of CMAS expression in HeLa NE.



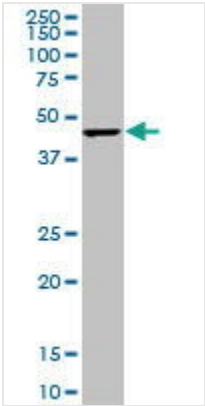
Application Data
Detection limit for recombinant GST tagged CMAS is ~1ng/ml as a capture antibody.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to CMAS on HeLa cell. [antibody concentration 10ug/ml].



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to CMAS on formalin-fixed paraffin-embedded human salivary gland. [antibody concentration 3ug/ml].



WB (Western Blot)
CMAS monoclonal antibody. Western Blot analysis of CMAS expression in PC-12.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CMAS antibody	Antibodies; Enzymes; Synthase
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8923900
NCBI GeneID	55907
NCBI Accession #	NP_061156

NCBI GenBank Nucleotide #	NM_018686
UniProt Accession #	Q8NFW8; Q96AX5; Q9NQZ0
Molecular Weight	29,561 Da
NCBI Official Full Name	N-acylneuraminate cytidyltransferase
NCBI Official Synonym Full Names	cytidine monophosphate N-acetylneuraminic acid synthetase
NCBI Official Symbol	CMAS
NCBI Official Synonym Symbols	CSS
NCBI Protein Information	N-acylneuraminate cytidyltransferase; CMP-N-acetylneuraminic acid synthase; CMP-N-acetylneuraminic acid synthetase; CMP-Neu5Ac synthetase; CMP-NeuNAc synthase; CMP-NeuNAc synthetase; CMP-sialic acid synthetase; cytidine 5'-monophosphate N-acetylneuramin
UniProt Protein Name	N-acylneuraminate cytidyltransferase
UniProt Gene Name	CMAS
UniProt Synonym Gene Names	CMP-NeuNAc synthase
UniProt Entry Name	NEUA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cmas-antibody-clone-5a2-immunohistochemistry-western-blot-elisa/24172>