



Anti-CMAS (aa 164-263) polyclonal antibody (DPAB-DC2455)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Sialic acids are a family of nine-carbon sugars on cell surface glycoproteins and glycolipids that play a pivotal role in determining the structure and function of many animal tissues. The pattern of cell surface sialylation is highly regulated during embryonic development and N-glycosylation is a common post-translational modification during cellular differentiation. Sialic acids play important roles in cell-cell communications and immune responses. Sialylated glycoprotein and glycolipid formation requires the activation of a sialic acid to a cytidine monophosphate (CMP) diester by the enzyme encoded by this gene: CMP-N-acetylneuraminate acid synthetase.
Immunogen	CMAS (NP_061156, 164 a.a. ~ 263 a.a) partial recombinant protein with GST tag. The sequence is EGYDSVFSVRRHQFRWSEIQKGVREVTEPLNLNPAKRPQQDWDGELYENGSFYFAKRH LIEMGYLQGGKMAYYEMRAEHSDIDVDIDWPIAEQRVLR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CMAS cytidine monophosphate N-acetylneuraminic acid synthetase [Homo sapiens (human)]
Official Symbol	CMAS
Synonyms	CMAS; cytidine monophosphate N-acetylneuraminic acid synthetase; CSS; N-acetylneuraminate cytidyltransferase; CMP-NeuNAc synthase; CMP-Neu5Ac synthetase; CMP-NeuNAc synthetase; CMP-sialic acid synthetase; CMP-N-acetylneuraminic acid synthase; CMP-N-acetylneuraminic acid synthetase; cytidine 5-monophosphate N-acetylneuraminic acid synthetase;
Entrez Gene ID	55907
Protein Refseq	NP_061156
UniProt ID	Q8NFW8
Chromosome Location	12p12.1
Pathway	Amino sugar and nucleotide sugar metabolism; Asparagine N-linked glycosylation; CMP-N-acetylneuraminate biosynthesis I (eukaryotes); Post-translational protein modification
Function	N-acetylneuraminate cytidyltransferase activity;
