

For Research Use Only

CMAS Polyclonal antibody

Catalog Number: 13006-1-AP



Basic Information

Catalog Number: 13006-1-AP	GenBank Accession Number: BC016609	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 55907	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	Full Name: cytidine monophosphate N-acetylneuraminic acid synthetase	
Isotype: IgG	Calculated MW: 48 kDa	
Immunogen Catalog Number: AG3686	Observed MW: 48 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : rat pancreas tissue, mouse brain tissue
Species Specificity: human, mouse, rat	

Background Information

Cytidine monophosphate N-acetylneuraminic acid synthetase (CMAS), a key enzyme in the incorporation pathway, catalyzes the synthesis of CMP-sialic acid by utilizing CTP and sialic acid. Neu5Ac is activated in the nucleus by CMAS to form CMP-Neu5Ac, which is transported to the Golgi apparatus by SLC35A1 for sialylation of glycoproteins and gangliosides catalyzed by specific sialyl transferases (PMID: 30568043). Low CMAS gene expression correlated with reduced recurrence-free survival in a human colorectal cancer cohort (PMID: 30578646). Western blots indicated a range of bands at ~ 48 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

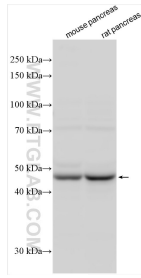
For technical support and original validation data for this product please contact:

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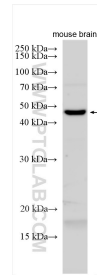
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13006-1-AP (CMAS antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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