

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 ug/ml by Nanodrop;	GeneID (NCBI): 55907	Recommended Dilutions: WB: 1:1000-1:8000 IF/ICC: 1:200-1:800
Source: Rabbit	UNIPROT ID: Q8NFW8	
Isotype: IgG	Full Name: cytidine monophosphate N-acetylneuraminic acid synthetase	
Immunogen Catalog Number: AG3686	Calculated MW: 48 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB : rat pancreas tissue, mouse brain tissue IF/ICC : A431 cells,

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

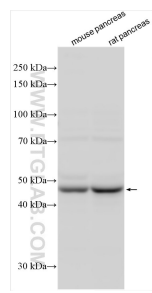
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

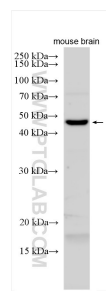
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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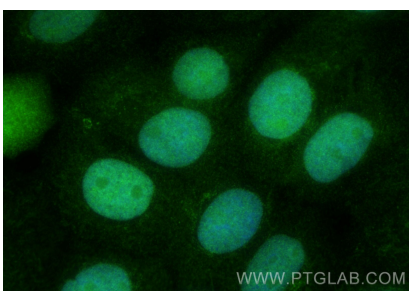
Selected Validation Data



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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Immunofluorescent analysis of (4% PFA) fixed A431 cells using CMAS antibody (13006-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).