

For Research Use Only

COMT Monoclonal antibody, PBS Only

Catalog Number: 68181-1-PBS



Basic Information

Catalog Number: 68181-1-PBS	GenBank Accession Number: BC000419	Purification Method: Protein G purification
Size: 100ug, Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1312	CloneNo.: 1A1A4
Source: Mouse	UNIPROT ID: P21964	
Isotype: IgG1	Full Name: catechol-O-methyltransferase	
Immunogen Catalog Number: AG6502	Calculated MW: 30 kDa	
	Observed MW: 28-30 kDa	

Applications

Tested Applications:
WB, IF-P, Indirect ELISA

Species Specificity:
Human, pig, rat, mouse

Background Information

Catechol O-methyltransferase (COMT) is an important enzyme that catalyzes O-methylation and inactivation of metabolically active catechol-containing bioactive molecules and drugs. The mammalian COMT enzyme exists in soluble form (24-26 kDa) and membrane-bound form (28-30 kDa), which are encoded by a single gene utilizing different promoters.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

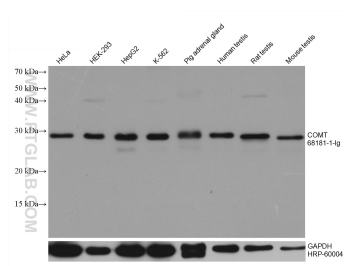
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

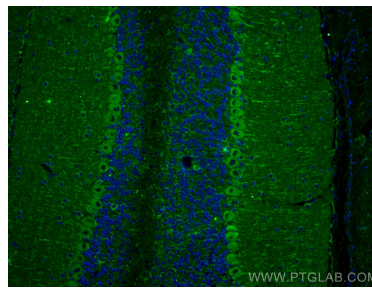
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68181-1-Ig (COMT antibody) at dilution of 1:10000 and incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68181-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using COMT antibody (68181-1-Ig, Clone: 1A1A4) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68181-1-PBS in a different storage buffer formulation.