For Research Use Only

## COMT Polyclonal antibody

Catalog Number:14754-1-AP

11 Publications



Basic Information	Catalog Number: 14754-1-AP	GenBank Accession Number: BC000419		Purification Method: Antigen affinity purification	
	Size: GeneID (NCBI):		BI):	Recommended Dilutions: WB 1:1000-1:4000	
	500 µg/ml	500 µ g/ml 1312			
	Source: Rabbit	UNIPROT IE P21964	):	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	Isotype: IgG	Full Name: catechol-O-methyltransferase		IHC 1:20-1:200 IF 1:50-1:500	
	Immunogen Catalog Number: AG6502	Calculated 30 kDa	Calculated MW: 30 kDa Observed MW: 28-30 kDa		
		Observed N 28-30 kDa			
Applications	Tested Applications: Positive		Positive Co	ntrols:	
	FC, IF/ICC, IF-P, IHC, IP, WB, ELIS Cited Applications:	SA	WB : HEK-29 mouse live	WB : HEK-293 cells, K-562 cells, human placenta, mouse liver, rat liver	
	WB, IF, IHC IP : K-562 Species Specificity: human, mouse, rat IHC : hum		IP : K-562 cells,		
			n liver tissue,		
	Cited Species: IF : mouse cerebellum tissue, HepG2 cells				
	human, mouse, rat Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
					Background Information
Notable Publications	Author	Pubmed ID	Journal	Application	
	Adedamola Bayo-Olugbami	32912107	Nutr Neurosci	WB	
	Yonglong Zhou	34725639	Biomed Res Int	WB,IF	
	Yinrui Guo	34045460	Transl Psychiatry	WB	
Storage	Storage: Store at -20°C. Stable for one ye Storage Buffer: PBS with 0.02% sodium azide a	ar after shipment. nd 50% glycerol p	Н 7.3.		

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

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14754-1-AP (COMT antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human liver using 14754-1-AP (COMT antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffinembedded human liver using 14754-1-AP (COMT antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using COMT antibody 14754-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using COMT antibody (14754-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse cerebellum tissue using COMT antibody (14754-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-COMT (IP:14754-1-AP, 4ug; Detection:14754-1-AP 1:500) with K-562 cells lysate 1200ug.



1X10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human COMT (14754-1-AP) and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit lgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).