For Research Use Only

COMT Monoclonal antibody

Catalog Number:68181-1-Ig

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
68181-1-Ig

Size:
150ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG6502

GenBank Accession Number:
BC000419

GeneID (NCBI):
1312

UNIPROT ID:
P21964

Full Name:
catechol-O-methyltransferase

Calculated MW:
30 kDa

Observed MW:
28-30 kDa

Purification Method:
Protein G purification

CloneNo.:
1A1A4

Recommended Dilutions:
WB 1:5000-1:50000
IF-P 1:200-1:800

Applications

Tested Applications:
WB, IF, ELISA

Species Specificity:
Human, pig, rat, mouse

Positive Controls:

WB : HeLa cells, HEK-293 cells, HepG2 cells, K-562 cells, pig adrenal gland tissue, human testis tissue, rat testis tissue, mouse testis tissue

IF-P : mouse cerebellum tissue,

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

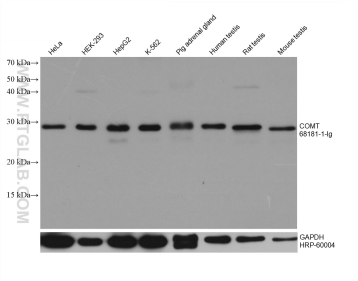
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

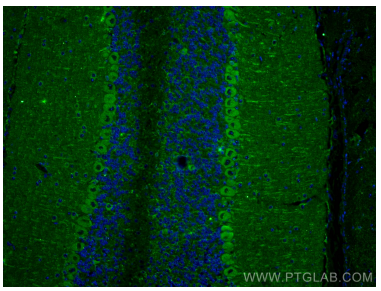
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 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.



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 AffiniPure Goat Anti-Mouse IgG(H+L).