

COMT Rabbit mAb

Catalog No: #59851

Package Size: #59851-1 50ul #59851-2 100ul

Description

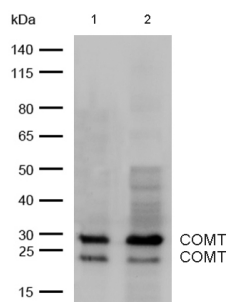
Product Name	COMT Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC
Species Reactivity	Human Mouse Rat
Specificity	COMT Antibody detects endogenous levels of total COMT
Immunogen Description	A synthesized peptide derived from human COMT
Other Names	Catechol O methyltransferase; COMT;
Accession No.	Uniprot:P21964
Calculated MW	Predicted band size: 30 kDa
SDS-PAGE MW	Observed band size: 24,28 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

Images



All lanes: COMT Rabbit mAb at 1/1k dilution

Lane 1 : A431 whole cell lysates Lane 2 : SH-SY5Y whole cell lysates

Lysates/proteins at 20 µg per lane.

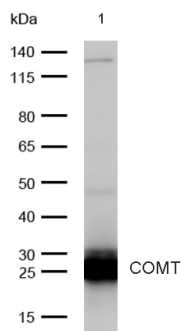
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 30 kDa

Observed band size: 24,28 kDa

Exposure time: 6 seconds



All lanes: COMT Rabbit mAb at 1/1k dilution

Lane 1 : Rat liver lysates

Lysates/proteins at 20 µg per lane.

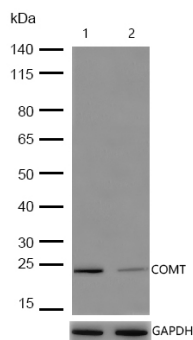
Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 30 kDa

Observed band size: 24,28 kDa

Exposure time: 4 seconds

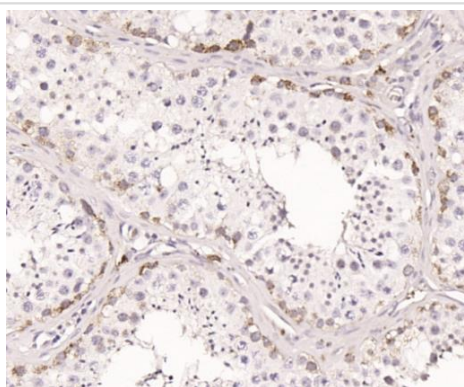


All lanes:COMT Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 :COMT Rabbit mAb knockdown HeLa cell lysate

Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human testis tissue stained for COMT using 59851 at 1/100 dilution in immunohistochemical analysis.

Background

Catalyzes the O-methylation, and thereby the inactivation, of catecholamine neurotransmitters and catechol hormones. Also shortens the biological half-lives of certain neuroactive drugs, like L-DOPA, alpha-methyl DOPA and isoproterenol.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.