

Rabbit anti-Human COMT Polyclonal Antibody | anti-COMT antibody

Anti-COMT antibody

CATALOG # AAA45703	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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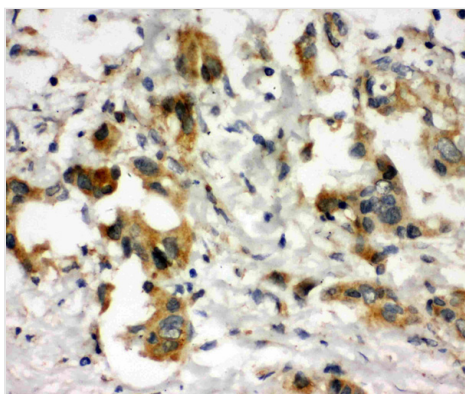
PRODUCT SYNONYMS

COMT; Polyclonal Antibody; Anti-COMT antibody; Catechol O-methyltransferase; catechol-O-methyltransferase; Catechol O methyltransferase antibody; Catechol O-methyltransferase antibody; COMT antibody; COMT_HUMAN antibody; EC 2.1.1.6 antibody; anti-COMT antibody

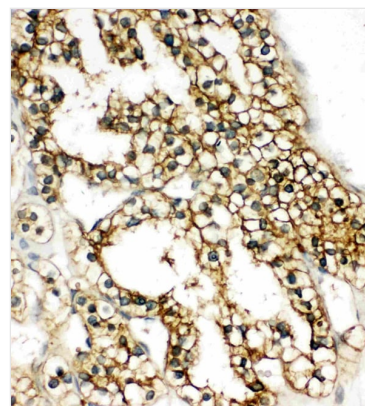
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	271
Applicable Applications for anti-COMT antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human COMT (94-108aa DKKGKIVDAVIQEHQ).
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

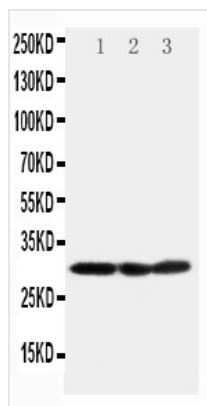
IMAGES



IHC (Immunohistochemistry)
Anti-COMT antibody, AAA45703, IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemistry)
Anti-COMT antibody, AAA45703, IHC(P)IHC(P): Human Kidney Cancer Tissue



WB (Western Blot)

Anti-COMT antibody, AAA45703, Western blotting Lane 1: HELA Cell Lysate Lane 2: A375 Cell Lysate Lane 3: PANC Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-COMT antibody

Description: Rabbit IgG polyclonal antibody for Catechol O-methyltransferase (COMT) detection. Tested with WB, IHC-P in Human.

Background: Catechol O-methyltransferase, also called COMT, is one of the major mammalian enzymes involved in the metabolic degradation of catecholamines. This gene is mapped to 22q11.21. Catechol-O-methyltransferase catalyzes the transfer of a methyl group from S-adenosylmethionine to catecholamines, including the neurotransmitters dopamine, epinephrine, and norepinephrine. This O-methylation results in one of the major degradative pathways of the catecholamine transmitters. In addition to its role in the metabolism of endogenous substances, COMT is important in the metabolism of catechol drugs used in the treatment of hypertension, asthma, and Parkinson disease. COMT is found in two forms in tissues, a soluble form (S-COMT) and a membrane-bound form (MB-COMT). The differences between S-COMT and MB-COMT reside within the N-termini.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116907
NCBI GeneID	1312
UniProt Accession #	P21964; Q6IB07; Q6ICE6; Q9BWC7; A8MPV9
Molecular Weight	24,449 Da
NCBI Official Full Name	Catechol O-methyltransferase
NCBI Official Synonym Full Names	catechol-O-methyltransferase
NCBI Official Symbol	COMT
NCBI Official Synonym Symbols	HEL-S-98n
NCBI Protein Information	catechol O-methyltransferase; epididymis secretory sperm binding protein Li 98n
UniProt Protein Name	Catechol O-methyltransferase
UniProt Gene Name	COMT
UniProt Entry Name	COMT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/comt-antibody-immunohistochemistry-western-blot-elisa/45703>