

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

Anti-COMT antibody

|                              |                       |                            |                                                           |
|------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA45703</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|----------------------------|-----------------------------------------------------------|

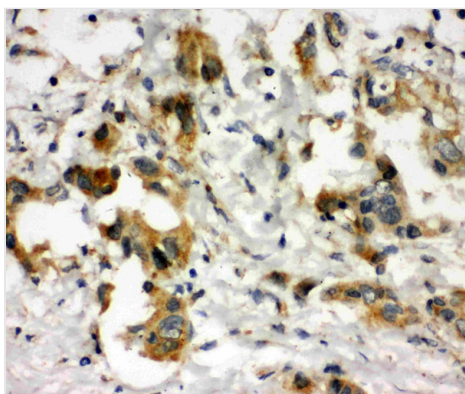
### PRODUCT SYNONYMS

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

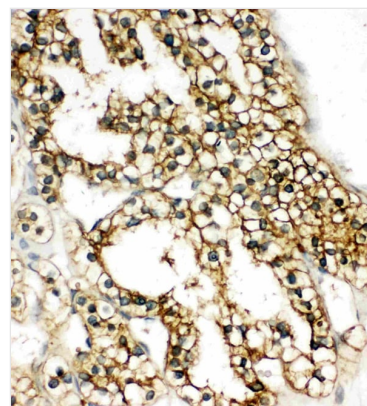
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.                                                                                                               |
| 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. |

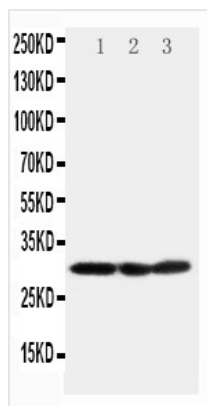
### IMAGES



**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://www.aaabiotech.com/polyclonal/comt-antibody-immunohistochemistry-western-blot-elisa/45703>