

## COMT Antibody

Catalog No: #34554

Package Size: #34554-1 50ul #34554-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

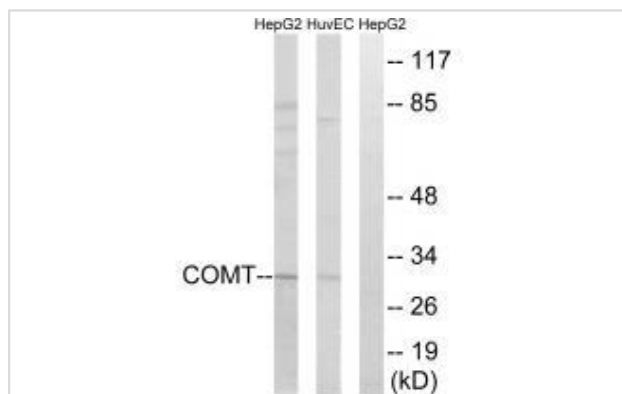
## Description

|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | COMT Antibody                                                                                                                                      |
| Host Species          | Rabbit                                                                                                                                             |
| Clonality             | Polyclonal                                                                                                                                         |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                              |
| Applications          | WB                                                                                                                                                 |
| Species Reactivity    | Hu                                                                                                                                                 |
| Specificity           | The antibody detects endogenous levels of total COMT protein.                                                                                      |
| Immunogen Type        | Peptide                                                                                                                                            |
| Immunogen Description | Synthesized peptide derived from internal of human COMT.                                                                                           |
| Target Name           | COMT                                                                                                                                               |
| Other Names           | Catechol O-methyltransferase; membrane-bound form; catechol-O-methyltransferase; EC 2.1.1.6; MB-COMT                                               |
| Accession No.         | Swiss-Prot: P21964NCBI Gene ID: 1312                                                                                                               |
| Uniprot               | P21964                                                                                                                                             |
| GeneID                | 1312;                                                                                                                                              |
| SDS-PAGE MW           | 30kd                                                                                                                                               |
| Concentration         | 1.0mg/ml                                                                                                                                           |
| Formulation           | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at -20°C                                                                                                                                     |

## Application Details

Western blotting: 1:500~1:3000

## Images



Western blot analysis of extracts from HepG2 cells and HUVEC cells, using COMT antibody #34554.

## Background

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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.

Lundstroem K., DNA Cell Biol. 10:181-189(1991).

Bertocci B., Proc. Natl. Acad. Sci. U.S.A. 88:1416-1420(1991).

Tenhunen J., Eur. J. Biochem. 223:1049-1059(1994).

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Note: This product is for in vitro research use only