

COMT Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP50677

Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | P21964 |
| Host | Rabbit |
| Clonality | polyclonal |
| Calculated MW | 30037 |

Additional Information

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|--------------------|--|
| Gene ID | 1312 |
| Other Names | Catechol O-methyltransferase, COMT |
| Dilution | WB~~1:1000 |
| Format | Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol. |
| Storage Conditions | -20°C |

Protein Information

| | |
|-------------------|--|
| Name | COMT (HGNC:2228) |
| Function | 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. |
| Cellular Location | [Isoform Soluble]: Cytoplasm |
| Tissue Location | Brain, liver, placenta, lymphocytes and erythrocytes |

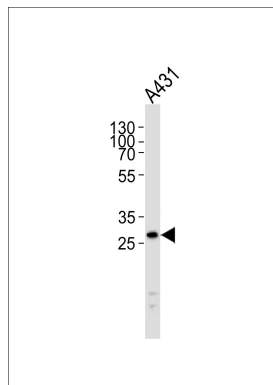
Background

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.

References

Lundstroem K.,et al.DNA Cell Biol. 10:181-189(1991).
Bertocci B.,et al.Proc. Natl. Acad. Sci. U.S.A. 88:1416-1420(1991).
Tenhunen J.,et al.Eur. J. Biochem. 223:1049-1059(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Collins J.E.,et al.Genome Biol. 5:R84.1-R84.11(2004).

Images



Western blot analysis of lysate from A431 cell line,using COMT Antibody(AP50677). AP50677 was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.