

KD-Validated Anti-Catechol-O-methyltransferase Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1224**Specification****KD-Validated Anti-Catechol-O-methyltransferase Rabbit Monoclonal Antibody - Product Information**

| | |
|-------------------|---|
| Application | WB, FC |
| Primary Accession | P21964 |
| Reactivity | Rat, Human |
| Clonality | Monoclonal |
| Isotype | Rabbit IgG |
| Calculated MW | Predicted, 30 kDa , observed, 24,28 kDa |
| Gene Name | COMT |
| Aliases | COMT; Catechol-O-Methyltransferase; Catechol O-Methyltransferase; EC 2.1.1.6; Epididymis Secretory Sperm Binding Protein Li 98n; Testicular Tissue Protein Li 42; HEL-S-98n |
| Immunogen | A synthesized peptide derived from human COMT |

KD-Validated Anti-Catechol-O-methyltransferase Rabbit Monoclonal Antibody - Additional Information

| | |
|--|------|
| Gene ID | 1312 |
| Other Names | |
| Catechol O-methyltransferase, 2.1.1.6, COMT (HGNC:2228) | |

KD-Validated Anti-Catechol-O-methyltransferase Rabbit Monoclonal Antibody - 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

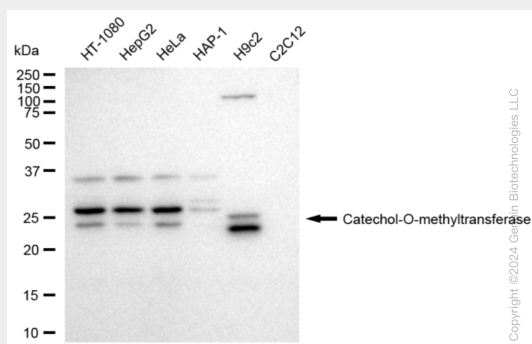
Brain, liver, placenta, lymphocytes and erythrocytes

KD-Validated Anti-Catechol-O-methyltransferase Rabbit Monoclonal Antibody - Protocols

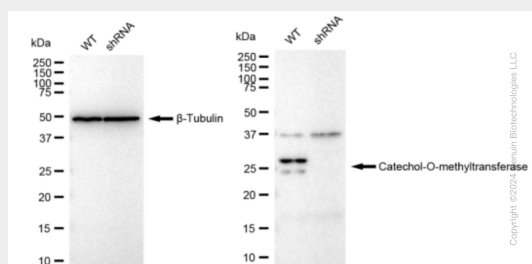
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

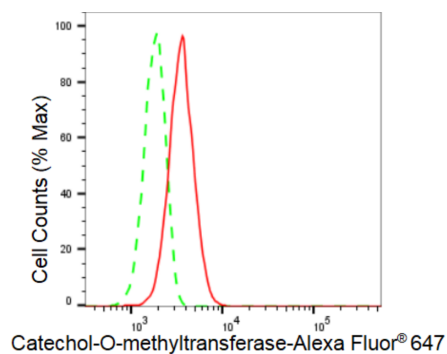
KD-Validated Anti-Catechol-O-methyltransferase Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-Catechol-O-methyltransferase antibody (Cat#AGI1224). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Catechol-O-methyltransferase antibody (Cat#AGI1224, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-Catechol-O-methyltransferase antibody (Cat#AGI1224). Catechol-O-methyltransferase expression in wild type (WT) and Catechol-O-methyltransferase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Catechol-O-methyltransferase antibody (Cat#AGI1224, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Catechol-O-methyltransferase expression in HT-1080 cells using Catechol-O-methyltransferase antibody (Cat#AGI1224, 1:2,000). Green, isotype control; red, Catechol-O-methyltransferase.