

**Anti-COMT Rabbit Monoclonal Antibody**  
Catalog # ABO15430**Specification****Anti-COMT Rabbit Monoclonal Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">P21964</a> |
| Host              | Rabbit                 |
| Isotype           | IgG                    |
| Reactivity        | Rat, Human, Mouse      |
| Clonality         | Monoclonal             |
| Format            | Liquid                 |

**Description**

Anti-COMT Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

**Anti-COMT Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 1312

**Other Names**

Catechol O-methyltransferase, 2.1.1.6, COMT ([HGNC:2228](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=2228))

**Calculated MW**

24 kDa, 29 kDa KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human COMT

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-COMT 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**

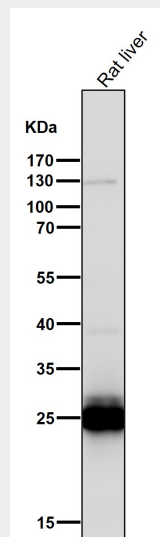
Brain, liver, placenta, lymphocytes and erythrocytes

**Anti-COMT Rabbit Monoclonal Antibody - Protocols**

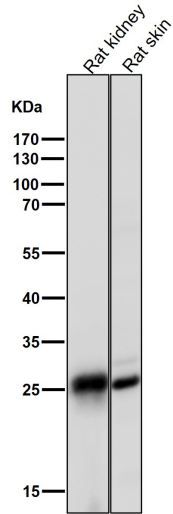
Provided below are standard protocols that you may find useful for product applications.

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

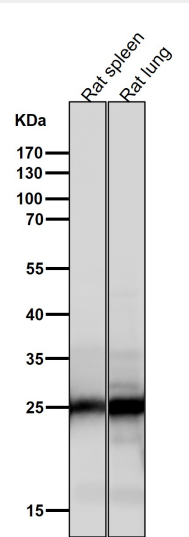
**Anti-COMT Rabbit Monoclonal Antibody - Images**



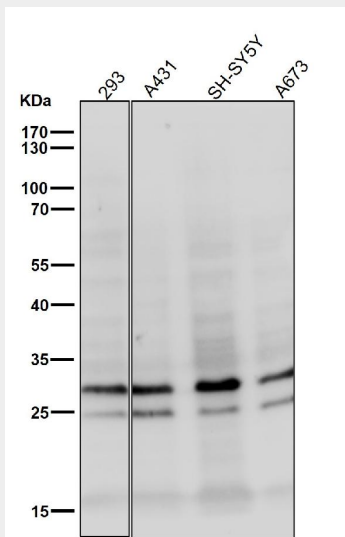
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



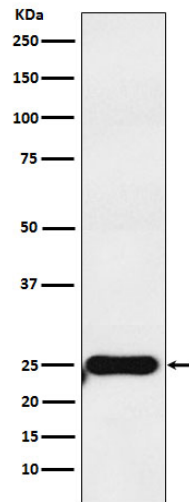
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Western blot analysis of COMT expression in MOLT4 cell lysate.