

**Goat Anti-COMT (internal), Biotinylated Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4325a

### Specification

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#### Goat Anti-COMT (internal), Biotinylated Antibody - Product Information

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">P21964</a>                                    |
| Other Accession   | <a href="#">NP_000745.1</a> , <a href="#">NP_009294.1</a> |
| Reactivity        | Human   |
| Predicted         | Human   |
| Host              | Goat  |
| Clonality         | Polyclonal  |
| Concentration     | 100ug/200ul   |
| Isotype           | IgG   |
| Calculated MW     | 30037   |

#### Goat Anti-COMT (internal), Biotinylated Antibody - Additional Information

**Gene ID** 1312

#### Other Names

Catechol O-methyltransferase, 2.1.1.6, COMT

#### Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

#### Immunogen

Peptide with sequence CQDIIPQLKKKYDVD., from the internal region of the protein sequence according to [NP\\_000745.1](#); [NP\\_009294.1](#).

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat Anti-COMT (internal), Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-COMT (internal), Biotinylated 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

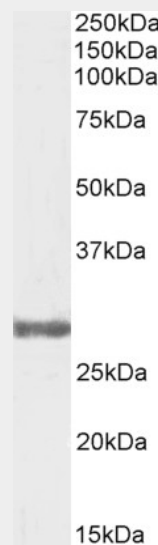
**Tissue Location**

Brain, liver, placenta, lymphocytes and erythrocytes

**Goat Anti-COMT (internal), Biotinylated 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](#)

**Goat Anti-COMT (internal), Biotinylated Antibody - Images**

Biotinylated AF4325a (0.3 µg/ml) staining of Testis lysate (35 µg protein in RIPA buffer). Detected by chemiluminescence.