

**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.