

**COMT Antibody (N-Terminus)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS13672****Specification**

---

**COMT Antibody (N-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">P21964</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	30kDa KDa

**COMT Antibody (N-Terminus) - Additional Information****Gene ID** 1312**Other Names**

Catechol O-methyltransferase, 2.1.1.6, COMT

**Target/Specificity**

Human COMT. This antibody is expected to recognise both reported isoforms. Variants (NP\_000745.1; NP\_001128633.1; NP\_001128634.1) encode the same isoform.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

COMT Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**COMT Antibody (N-Terminus) - 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**

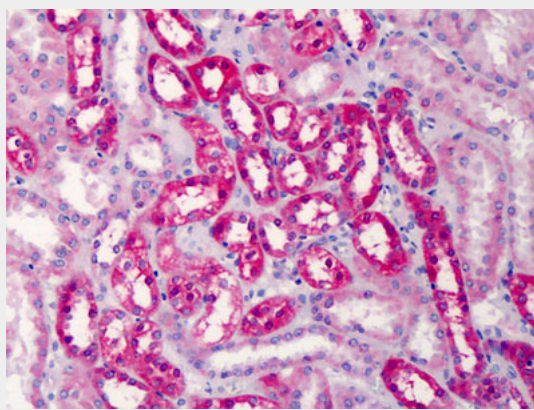
Brain, liver, placenta, lymphocytes and erythrocytes

## COMT Antibody (N-Terminus) - 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](#)

## COMT Antibody (N-Terminus) - Images



Anti-COMT antibody IHC of human kidney.

## COMT Antibody (N-Terminus) - 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.

## COMT Antibody (N-Terminus) - 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).  
Li J.Y., et al. Submitted (SEP-2008) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. *Nat. Genet.* 36:40-45(2004).