

COMT Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11021**Specification**

COMT Antibody (Internal) - Product Information

Application	IHC-P
Primary Accession	P21964
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30kDa KDa
Dilution	IHC-P~~N/A

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

Catechol O-methyltransferase, 2.1.1.6, COMT

Target/Specificity

Human COMT. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage

Long term: -70°C; Short term: +4°C

Precautions

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

COMT Antibody (Internal) - 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

Volume

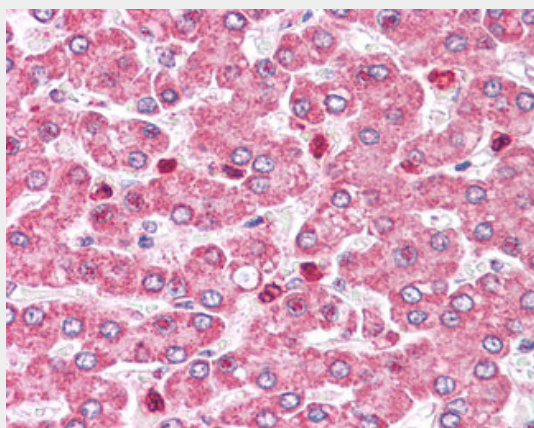
50 µl

COMT Antibody (Internal) - Protocols

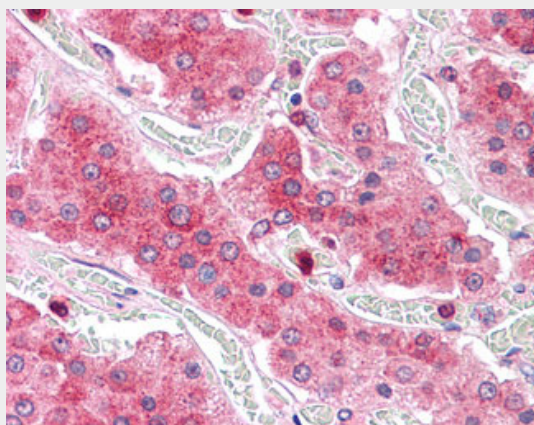
Provided below are standard protocols that you may find useful for product applications.

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

COMT Antibody (Internal) - Images



Anti-COMT antibody ALS11021 IHC of human liver.



Anti-COMT antibody ALS11021 IHC of human adrenal.

COMT Antibody (Internal) - Background

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COMT Antibody (Internal) - 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).