10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

COMT Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11021

Specification

COMT Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	P21964
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**30kDa KDa**

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

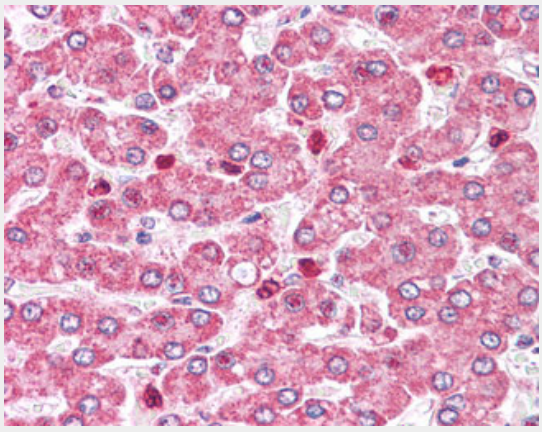
Volume
50 µl

COMT Antibody (Internal) - Protocols

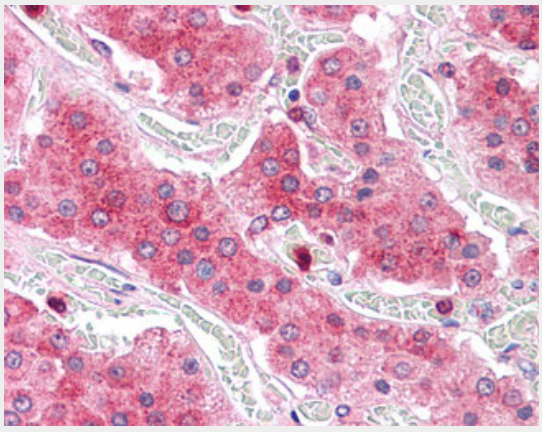
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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

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 (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).