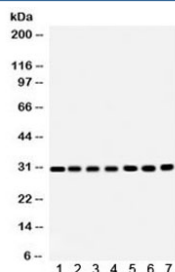


COMT Antibody (R32010)

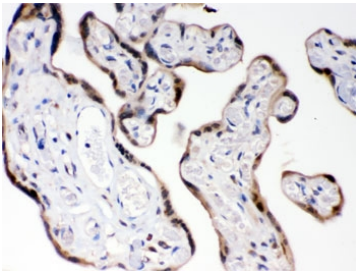
Catalog No.	Formulation	Size
R32010	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

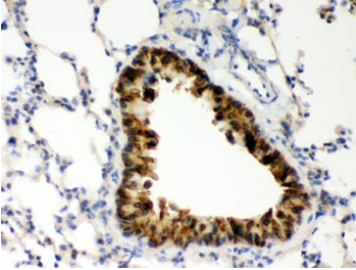
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P21964
Localization	Cytoplasmic
Applications	Western Blot : 0.1-0.5ug/ml Immunocytochemistry : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml IHC (Frozen) : 0.5-1ug/ml
Limitations	This COMT antibody is available for research use only.



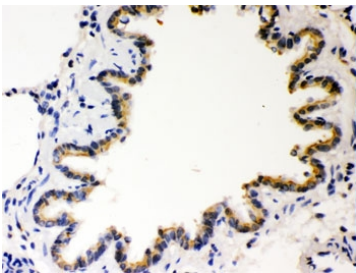
Western blot testing of 1) rat brain, 2) rat liver, 3) rat kidney, 4) mouse brain, 5) Jurkat, 6) CEM and 7) HeLa lysate with COMT antibody. Predicted molecular weight: ~30/25 kDa (isoforms 1/2).



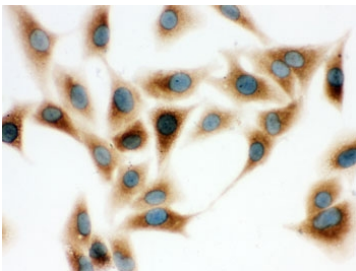
IHC testing of FFPE human placenta with COMT antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



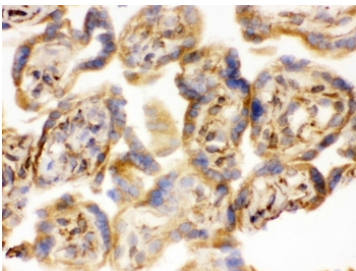
IHC testing of FFPE mouse lung with COMT antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



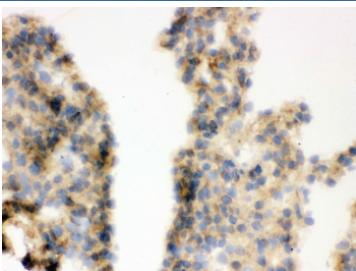
IHC testing of FFPE rat lung with COMT antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



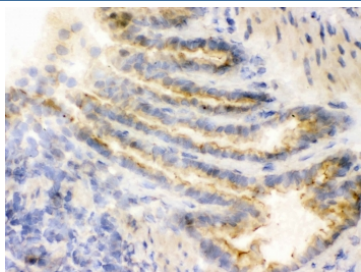
ICC testing of human A549 cells with COMT antibody.



IHC testing of frozen human placental tissue with COMT antibody.



IHC testing of frozen mouse lung tissue with COMT antibody.



IHC testing of frozen rat lung tissue with COMT antibody.

Description

Catechol O-methyltransferase, also called COMT, is one of the major mammalian enzymes involved in the metabolic degradation of catecholamines. 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. [UniProt]

Application Notes

Optimal dilution of the COMT antibody should be determined by the researcher.

Immunogen

Amino acids 52-271 of human COMT were used as the immunogen for the COMT antibody.

Storage

After reconstitution, the COMT antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.