

Rabbit COMT Polyclonal Antibody | anti-COMT antibody

Rabbit Polyclonal to Human COMT

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51632	Rabbit	Bat, Gibbon, Bovine, Gorilla, Human, Monkey, Mouse, Pig, Rat Predicted Reactivity: Hamster, Horse, Rabbit (at least 90% immunogen sequence identity)	Immunohistochemistry

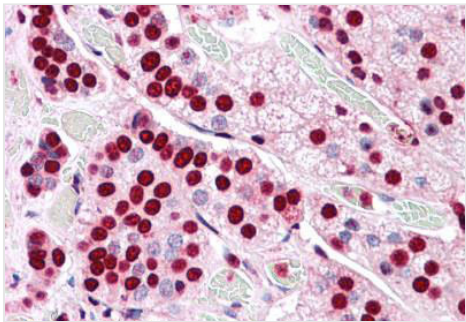
PRODUCT SYNONYMS

COMT; Polyclonal Antibody; Rabbit Polyclonal to Human COMT; Anti-COMT Antibody (Internal) IHC-plus; Catechol O-methyltransferase; Catechol-O-methyltransferase; Human COMT; anti-COMT antibody

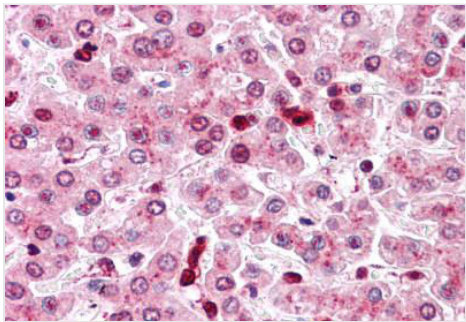
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Bat, Gibbon, Bovine, Gorilla, Human, Monkey, Mouse, Pig, Rat Predicted Reactivity: Hamster, Horse, Rabbit (at least 90% immunogen sequence identity)
Clonality	Polyclonal
Specificity	Human COMT. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	221
Applicable Applications for anti-COMT antibody	IHC (Immunohistochemistry)
Target Species	Human
Immunogen Description	Synthetic 15 amino acid peptide from internal region of human COMT. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bat, Bovine, Pig (100%); Hamster, Elephant, Panda, Rabbit, Horse (93%).
Immunogen Type	Synthetic peptide
Immunogen	COMT antibody was raised against synthetic 15 amino acid peptide from internal region of human COMT. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Bat, Bovine, Pig (100%); Hamster, Elephant, Panda, Rabbit, Horse (93%); Dog, Turkey, Chicken, Xenopus (87%).
Antigen Modification	Internal
Preparation and Storage	Short term 4 degree C, long term aliquot and store at -20 degree C, avoid freeze thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-COMT antibody IHC of human adrenal. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



IHC (Immunohistochemistry)
Anti-COMT antibody IHC of human liver. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-COMT antibody	Catechol O-methyltransferase (COMT) is involved in the inactivation of catecholamines, including the neurotransmitter dopamine. A Val(108/158) Met functional polymorphism of the COMT gene has been shown to affect working memory-associated frontal lobe function in humans.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6466450
NCBI GeneID	1312
NCBI Accession #	NP_009294.1
NCBI GenBank Nucleotide #	NM_007310.2
UniProt Accession #	P21964; Q6IB07; Q6ICE6; Q9BWC7; A8MPV9
Molecular Weight	24,449 Da
NCBI Official Full Name	catechol O-methyltransferase isoform S-COMT
NCBI Official Synonym Full Names	catechol-O-methyltransferase
NCBI Official Symbol	COMT
NCBI Official Synonym Symbols	HEL-S-98n
NCBI Protein Information	catechol O-methyltransferase; epididymis secretory sperm binding protein Li 98n
UniProt Protein Name	Catechol O-methyltransferase
UniProt Gene Name	COMT
UniProt Entry Name	COMT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.