

Rabbit COMT Polyclonal Antibody | anti-COMT antibody

COMT antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199426	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat	Western Blot

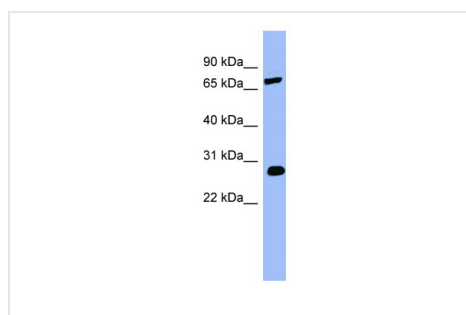
PRODUCT SYNONYMS

COMT; Polyclonal Antibody; COMT antibody - middle region; anti-COMT antibody

PRODUCT SPECIFICATIONS

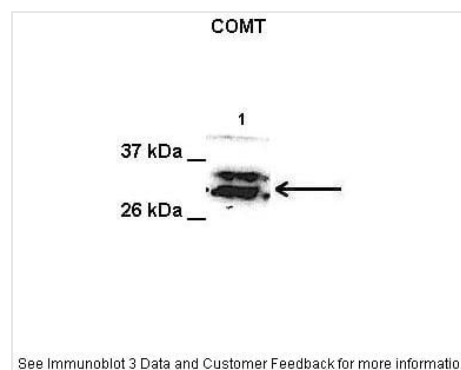
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PD CAAITQRMVD FAGVKDKVTL VVGASQDIIP QLKKKYD VDT LDMVFLDH
Sequence Length	271
Applicable Applications for anti-COMT antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 79%; Guinea Pig: 92%; Horse: 100%; Human: 100%; Mouse: 93%; Pig: 100%; Rabbit: 86%; Rat: 93%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human COMT
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



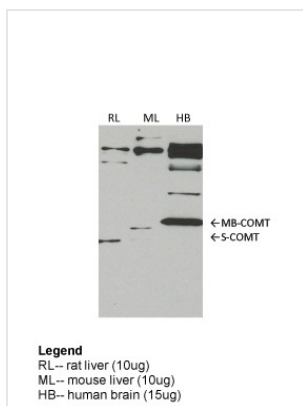
WB (Western Blot)

WB Suggested Anti-COMT Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:1562500
Positive Control: Human Stomach



WB (Western Blot)

Lanes: 1. 100 ug Human lung microsome lysate
Primary Antibody Dilution: 1: 1000
Secondary Antibody Dilution: 1: 10000
Gene Name: COMT
Submitted by: Jing Peng, Fox Chase Cancer Center



WB (Western Blot)

COMT antibody - middle region validated by WB using rat liver, mouse lung, human brain at 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-COMT antibody	This is a rabbit polyclonal antibody against COMT. It was validated on Western Blot using a cell lysate as a positive control. Target Description: Catechol-O-methyltransferase catalyzes the transfer of a methyl group from S-adenosylmethionine to catecholamines, including the neurotransmitters dopamine, epinephrine, and norepinephrine. This O-methylation results in one of the major degradative pathwa
Product Categories/Family for anti-COMT antibody	Polyclonal; Signal Proteins; Membrane Protein; Drugs and Drug Metabolism; Neuroscience; Epigenetics; Methylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502969
NCBI GeneID	1312
NCBI Accession #	NP_000745
NCBI GenBank Nucleotide #	NM_000754
UniProt Accession #	P21964
Molecular Weight	30kDa
NCBI Official Full Name	catechol O-methyltransferase isoform MB-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
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.