

Rabbit anti-Human, Rat COMT Polyclonal Antibody | anti-COMT antibody

[KD Validated] COMT Rabbit pAb

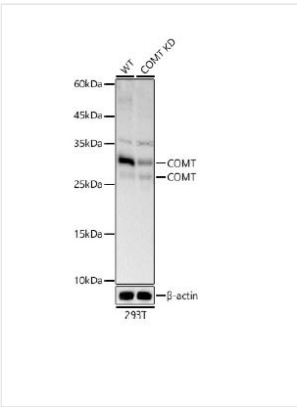
CATALOG # AAA282433	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

COMT; Polyclonal Antibody; [KD Validated] COMT Rabbit pAb; HEL-S-98n; anti-COMT antibody

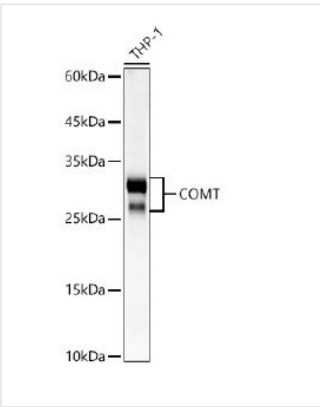
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Liquid PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Applicable Applications for anti-COMT antibody	WB (Western Blot)
Positive Samples	THP-1, 293T
Cellular Location	Cell membrane, Cytoplasm, Extracellular side, Single-pass type II membrane protein
Research Area	Epigenetics Nuclear Signaling, Signal Transduction, Endocrine Metabolism, Drug metabolism, Neuroscience, Neurodegenerative Diseases, Dopamine Signaling in Parkinson's Disease
Immunogen	Recombinant protein of human COMT.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack



WB (Western Blot)

Western blot analysis of extracts from wild type(WT) and COMT Rabbit pAb knockdown (KD) 293T(KD) cells, using COMT Rabbit pAb (AAA282433) at 1:700 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



WB (Western Blot)

Western blot analysis of THP-1, using COMT Rabbit pAb (AAA282433) at 1:700 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-COMT antibody	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 pathways of the catecholamine transmitters. In addition to its role in the metabolism of endogenous substances, COMT is important in the metabolism of catechol drugs used in the treatment of hypertension, asthma, and Parkinson disease. COMT is found in two forms in tissues, a soluble form (S-COMT) and a membrane-bound form (MB-COMT). The differences between S-COMT and MB-COMT reside within the N-termini. Several transcript variants are formed through the use of alternative translation initiation sites and promoters.
Product Categories/Family for anti-COMT antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502969
NCBI GeneID	1312
NCBI Accession #	NP_000745.1
NCBI GenBank Nucleotide #	NM_000754.3
UniProt Accession #	P21964 ; Q6IB07 ; Q6ICE6 ; A8MPV9
Molecular Weight	30,037 Da
NCBI Official Full Name	catechol O-methyltransferase isoform MB-COMT
NCBI Official Synonym Full Names	catechol-O-methyltransferase
NCBI Official Symbol	COMT
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/comt-antibody-western-blot-elisa/282433>