



Anti-COMT polyclonal antibody (DPABY-739)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	C-QDIIPQLKKKYDVD
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugate	Unconjugated
Applications	ELISA Pr*, WB
Positive Control	The peptide used to product this antibody is available for purchase.
Format	Liquid
Concentration	0.5 mg/ml
Size	100 µg
Buffer	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Preservative	0.02% Sodium Azide
Storage	Aliquot and store at -25°C. Minimize freezing and thawing.

GENE INFORMATION

Gene Name	COMT catechol-O-methyltransferase [Homo sapiens (human)]
Official Symbol	COMT
Synonyms	COMT; catechol-O-methyltransferase; HEL-S-98n; catechol O-methyltransferase; epididymis secretory sperm binding protein Li 98n;
Entrez Gene ID	1312
Protein Refseq	NP_000745
UniProt ID	P21964
Chromosome Location	22q11.21
Pathway	Biogenic Amine Synthesis; Biological oxidations; Dopamine clearance from the synaptic cleft; Dopamine metabolism; Dopaminergic synapse; Enzymatic degradation of Dopamine by monoamine oxidase; Enzymatic degradation of dopamine by COMT; Estrogen metabolism;
Function	O-methyltransferase activity; catechol O-methyltransferase activity; magnesium ion binding;