



COMT Polyclonal Antibody

Catalog No	E91294	Lot Number	P00009
Applications	WB IHC IF	Quantity	100ul, 100ug/100ul
Cross-Reactivity	H M R	Calculated MW	30kDa

Immunogen Information

Immunogen	Recombinant protein of human COMT
Gene ID	1312
Swiss Prot	P21964
Synonyms	Catechol O methyltransferase; COMT;

Product information

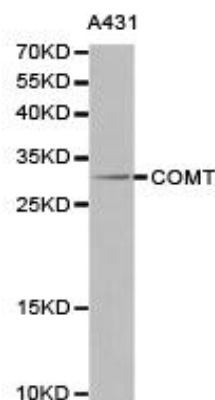
Species	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C or -80°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Background

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. [provided by RefSeq, Sep 2008]

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50- 1:200
IF	1:20- 1:50



Western blot analysis of extracts of A431 cells, using COMT antibody.