

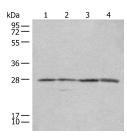
Tel:240-252-7368(USA) Fax: 240-252-7376(USA) techsupport@elabscience.com Website: www.elabscience.com

COMT Polyclonal Antibody

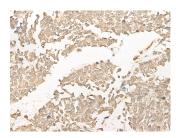
Catalog No.E-AB-18664ReactivityHStorageStore at -20°C. Avoid freeze / thaw cycles.HostRabbitApplicationsWB,IHC,ELISAIsotypeIgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western blot analysis of 293T Jurkat and 231 cell lysates using COMT Polyclonal Antibody at dilution of 1:350



Immunohistochemistry of paraffinembedded Human lung cancer tissue using COMT Polyclonal Antibody at dilution of 1:25(×200)

Immunogen Information

Immunogen Fusion protein of human COMT

Gene Accession BC011935 **Swissprot** P21964

Synonyms Catechol O methyltransferase, Catechol O-

methyltransferase,COMT,COMT,EC 2.1.1.6

Product Information

Calculated MW 30 kDa

Observed MW Refer to figures

Buffer PBS with 0.05% NaN3 and 40% Glycerol,pH7.4

Purify Antigen affinity purification

Dilution WB 1:500-1:2000, IHC 1:25-1:100, ELISA

1:5000-1:10000

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.