

COMT Polyclonal Antibody

catalog number: E-AB-18624

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

Description

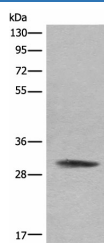
Reactivity	Human
Immunogen	Fusion protein of human COMT
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Recommended Dilution

WB	1:500-1:2000
IHC	1:25-1:100

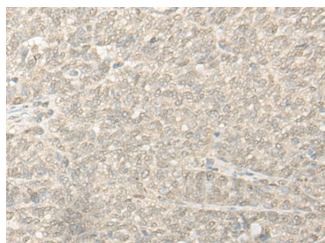
Data



Western blot analysis of Hela cell lysate using COMT Polyclonal Antibody at dilution of 1:450

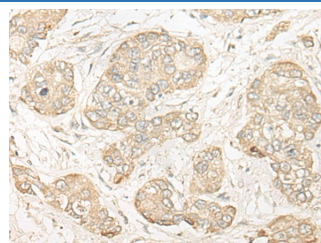
Observed-MV:Refer to figures

Calculated-MV:30 kDa



Immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using COMT Polyclonal Antibody at dilution of

1:30(x200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using COMT Polyclonal Antibody at dilution of 1:30(x200)

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. A void freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

For Research Use Only

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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.

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A Reliable Research Partner in Life Science and Medicine
Tel: 400-999-2100

Email: techsupport@elabscience.cn

Web: www.elabscience.cn

Rev. V1.7