

COMT Rabbit Polyclonal Antibody



CAB6200

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

28-32kDa

Calculated MW:

24kDa/30kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Protein 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.

Immunogen information

Gene ID:

1312

Uniprot

P21964

Antibody Information

Recommended dilutions:

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

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Synonyms:

COMT; HEL-S-98n

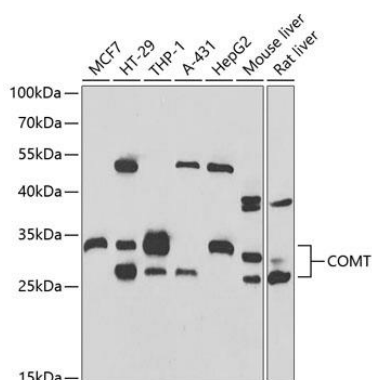
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 42-221 of human COMT (NP_009294.1).

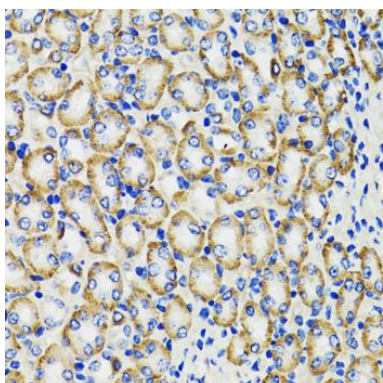
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

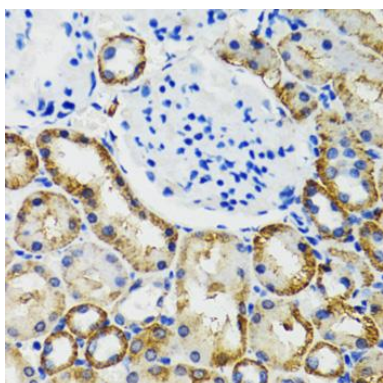
Product Images



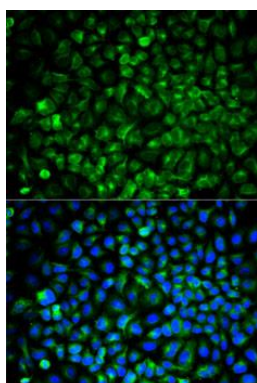
Western blot analysis of extracts of various cell lines, using COMT antibody (CAB6200) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 60s.



Immunohistochemistry of paraffin-embedded rat kidney using COMT antibody (CAB6200) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using COMT antibody (CAB6200) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using COMT antibody (CAB6200). Blue: DAPI for nuclear staining.