

Datasheet for ABIN6138867
anti-COMT antibody (AA 42-221)



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1 Image

Overview

Quantity:	100 µL
Target:	COMT
Binding Specificity:	AA 42-221
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COMT antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 42-221 of human COMT (NP_009294.1).
Sequence:	VGDKKGGKIVD AVIQEHQPSV LLELGAYCGY SAVRMARLLS PGARLITIEI NPDCAAITQR MVDFAGVKDK VTLVVGASQD IIPQLKKKYD VDTLDMVFLD HWKDRYLPDT LLEECGLLR KGTVLLADNV ICPGAPDFLA HVRGSSCFEC THYQSFLEYR EVVDGLEKAI YKGPGSEAGP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	COMT
Alternative Name:	COMT (COMT Products)
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.,COMT,HEL-S-98n,Epigenetics & Nuclear Signaling,Signal Transduction,Endocrine & Metabolism,Drug metabolism,Neuroscience,Neurodegenerative Diseases,Dopamine Signaling in Parkinson's Disease,COMT
Molecular Weight:	24 kDa/30 kDa
Gene ID:	1312
UniProt:	P21964
Pathways:	Steroid Hormone Biosynthesis , SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

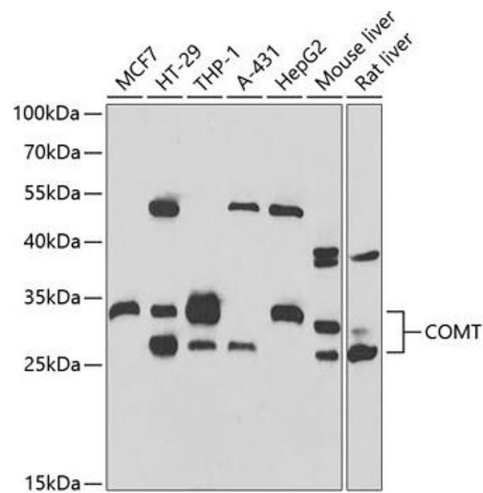
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using COMT antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.