

Product datasheet

Anti-COMT antibody ab98103

1 Image

Overview

Product name	Anti-COMT antibody
Description	Rabbit polyclonal to COMT
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Pig
Immunogen	Synthetic peptide corresponding to a region within internal amino acids 143-192 (PDCAAITQRM VDFAGVKDKV TLVVGASQDI IPQLKKKYDV DTLDMVFLDH) of Human COMT (NP_000745). Run BLAST with ExPASy Run BLAST with NCBI
Positive control	Human fetal stomach lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab98103** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 30 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

Function	Catalyzes the O-methylation, and thereby the inactivation, of catecholamine neurotransmitters and catechol hormones. Also shortens the biological half-lives of certain neuroactive drugs, like L-DOPA, alpha-methyl DOPA and isoproterenol.
Tissue specificity	Brain, liver, placenta, lymphocytes and erythrocytes.
Sequence similarities	Belongs to the mammalian catechol-O-methyltransferase family.
Post-translational modifications	The N-terminus is blocked.
Cellular localization	Cytoplasm and Cell membrane.

Images



Western blot - Anti-COMT antibody (ab98103)

Anti-COMT antibody (ab98103) at 1 µg/ml +
Human fetal stomach lysate at 10 µg

Predicted band size: 30 kDa

Gel concentration 12%

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