

Product Datasheet

COMT Antibody **NB100-1780**

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-1780

COMT Antibody

Product Information

Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description

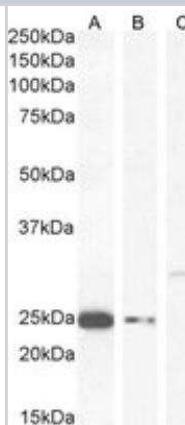
Description	Novus Biologicals Goat COMT Antibody (NB100-1780) is a polyclonal antibody validated for use in WB, ELISA and Flow. Anti-COMT Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	1312
Gene Symbol	COMT
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 19770404).
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms. Variants (NP_000745.1; NP_001128633.1; NP_001128634.1) encode the same isoform.
Immunogen	Peptide with sequence GDTKEQRILNHVLQC corresponding to N-Terminus according to NP_000745.1, NP_001128633.1, NP_001128634.1, NP_009294.1.

Product Application Details

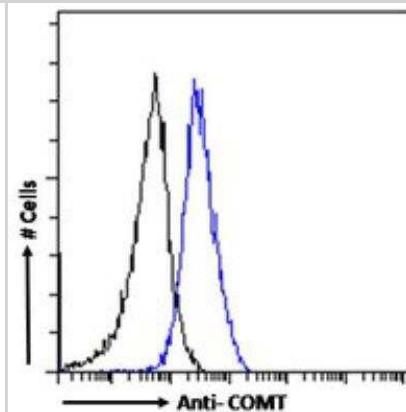
Applications	Western Blot, Flow Cytometry, Peptide ELISA
Recommended Dilutions	Western Blot 0.3 - 2 ug/mL, Flow Cytometry 10 ug/mL, Peptide ELISA Detection limit 1:4000

Images

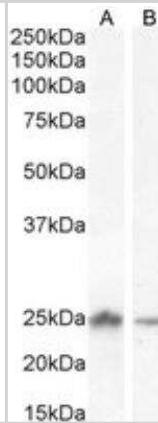
Western Blot: COMT Antibody [NB100-1780] - Staining of MCF7 (A) with antibody at 0.5 ug/mL, U251 cell lysate 1 (B) and U251 cell lysate 2 (C) (35 ug protein in RIPA buffer) with antibody at 1 ug/mL. Detected by chemiluminescence.



Flow Cytometry: COMT Antibody [NB100-1780] - Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Western Blot: COMT Antibody [NB100-1780] - Staining of Human Liver (A) with antibody at 2 ug/mL and Ovary (B) lysate (35 ug protein in RIPA buffer) with antibody at 1 ug/mL. Detected by chemiluminescence.



Publications

Tunbridge EM, Harrison PJ, Weinberger DR. Catechol-o-Methyltransferase, Cognition, and Psychosis: Val(158)Met and Beyond. *Biol Psychiatry* 2006-02-11 [PMID: 16476412]

Yao B, Harris RC, Zhang MZ. Intrarenal dopamine attenuates deoxycorticosterone acetate/high salt-induced blood pressure elevation in part through activation of a medullary cyclooxygenase 2 pathway. *Hypertension* 2009-11-01 [PMID: 19770404] (WB, Mouse)

Yang S, Yao B, Zhou Y et al. Intrarenal Dopamine Modulates Progressive Angiotensin II-Mediated Renal Injury. *American Journal of Physiology, Renal Physiology*. 2011-12-14 [PMID: 22169008]



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Products Related to NB100-1780

NB820-59266	Human Testis Whole Tissue Lysate (Adult Whole Normal)
NB100-1780PEP	COMT Antibody Blocking Peptide
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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