

# Product Datasheet

## COMT Antibody

### NB100-41387

Unit Size: 0.1 mg

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

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**NB100-41387**

COMT Antibody

**Product Information**

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

**Product Description**

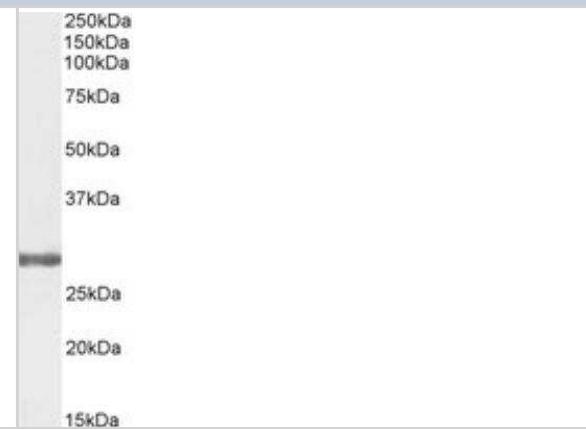
<b>Description</b>	Novus Biologicals Goat COMT Antibody (NB100-41387) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-COMT Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	1312
<b>Gene Symbol</b>	COMT
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody is expected to recognize both reported isoforms (NP_000745.1 and NP_009294.1)
<b>Immunogen</b>	Peptide with sequence C-QDIIPQLKKKYDVD corresponding to internal region according to NP_000745.1, NP_009294.1.

**Product Application Details**

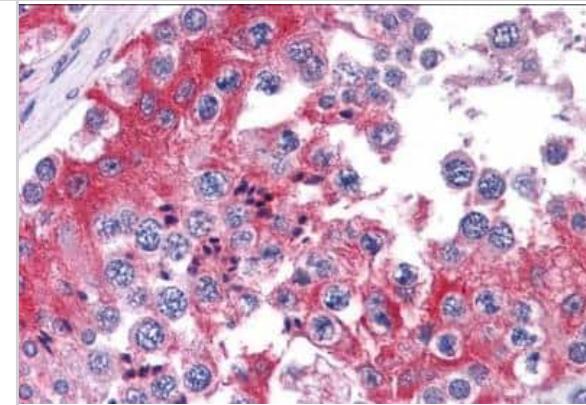
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.03 - 0.1 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin 2 - 4 ug/mL, Peptide ELISA Detection limit 1:64000
<b>Application Notes</b>	Western blot: Approx 28 kDa band in Human Testis lysates (calculated MW of 30.0 kDa according to NP_000745.1 and 24.5 kDa according to NP_009294.1). IHC: In paraffin embedded Human Brain (Cerebellum) shows staining of processes coming from the edge of the granular zone into the molecular layer. Recommended concentration: 2 - 4 ug/mL. Paraffin embedded Human Testis and Small Intestine. Recommended concentration: 3.75 ug/mL.

## Images

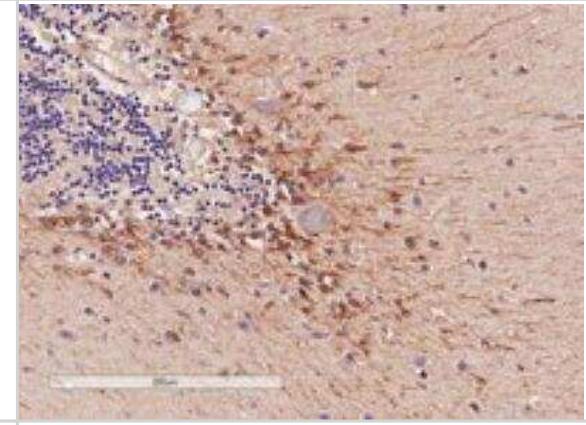
Western Blot: COMT Antibody [NB100-41387] - Staining of Human Testis lysate (35 ug protein in RIPA buffer). Antibody at 0.3 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.



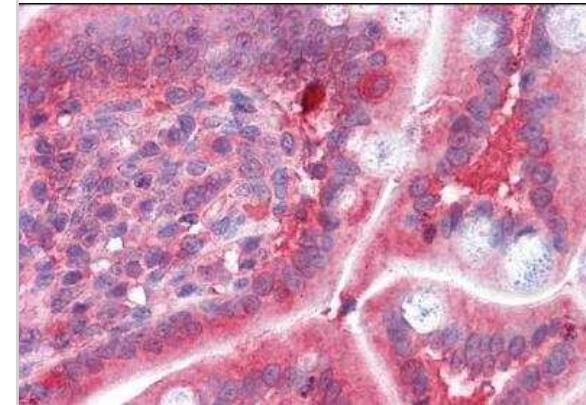
Immunohistochemistry-Paraffin: COMT Antibody [NB100-41387] - Staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. Antibody at 3.75 ug/mL.



Immunohistochemistry-Paraffin: COMT Antibody [NB100-41387] - Staining of paraffin embedded Human Cerebellum. Antibody at 4 ug/mL. Microwaved antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.



Immunohistochemistry-Paraffin: COMT Antibody [NB100-41387] - Staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. Antibody at 3.75 ug/mL.



## 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]



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## Products Related to NB100-41387

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
NBP1-85818PEP	COMT Recombinant Protein Antigen

## 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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