

Product Datasheet

COMT Antibody NB100-41387

Unit Size: 0.1 mg

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

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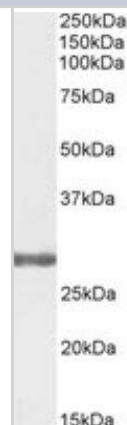
NB100-41387**COMT Antibody**

Product Information	
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	
Host	Goat
Gene ID	1312
Gene Symbol	COMT
Species	Human
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_000745.1 and NP_009294.1)
Immunogen	Peptide with sequence C-QDIIPQLKKKYDVD corresponding to internal region according to NP_000745.1, NP_009294.1.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 0.03 - 0.1 ug/mL, Immunohistochemistry, Immunohistochemistry-Paraffin 2 - 4 ug/mL, Peptide ELISA Detection limit 1:64000
Application Notes	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.

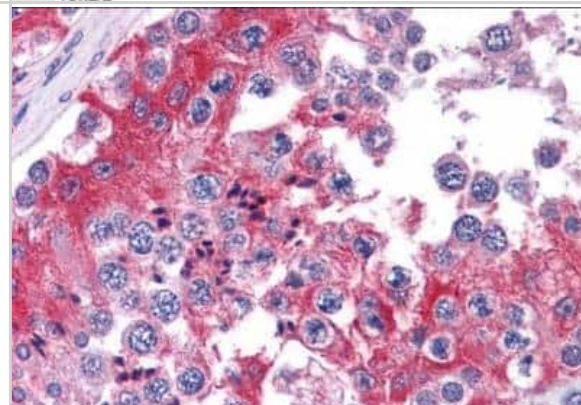


Images

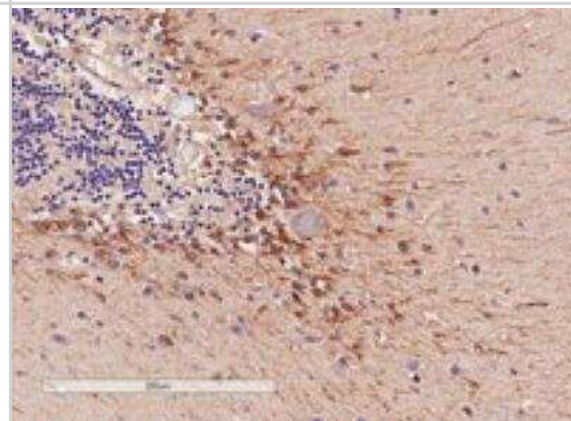
Western Blot: COMT Antibody [NB100-41387] - Staining of Human Testis lysate (35 ug protein in RIPA buffer). Antibody at 0.3 ug/mL. Primary incubation was 1 hour. Detected by chemiluminescence.



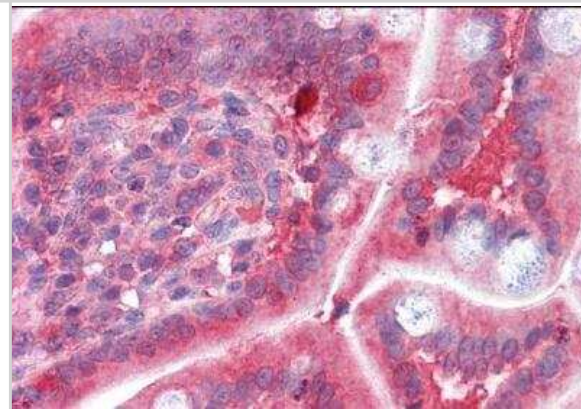
Immunohistochemistry-Paraffin: COMT Antibody [NB100-41387] - Staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining. Antibody at 3.75 ug/mL.



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
NB100-1780PEP	COMT Antibody Blocking Peptide

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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