

# Product Datasheet

## MTR Antibody NB100-791

Unit Size: 0.1 mg

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

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**NB100-791**

MTR 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

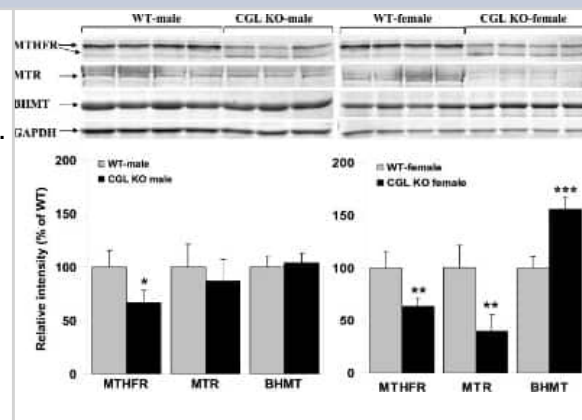
Product Description	
Description	Novus Biologicals Goat MTR Antibody (NB100-791) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-MTR Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	4548
Gene Symbol	MTR
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 26276101).
Immunogen	Peptide with sequence C-VEKWLGPILGYDTD corresponding to C-Terminus according to NP_000245.2.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 1-3 ug/ml, Immunohistochemistry 3 - 5 ug/mL, Immunohistochemistry-Paraffin 3 - 5 ug/mL, Peptide ELISA Detection limit 1:32000
Application Notes	Use in WB reported in scientific literature (PMID: 26276101).

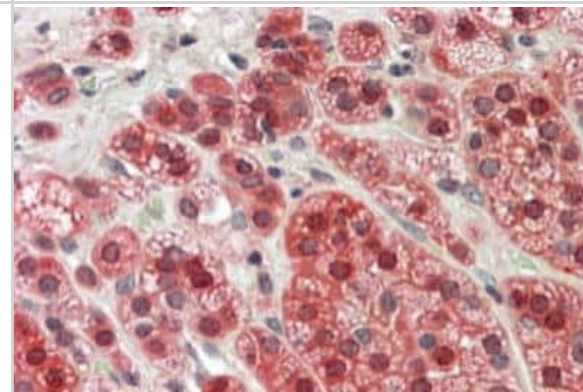


## Images

Western Blot: MTR Antibody [NB100-791] - Cgl null mice exhibit female-specific alteration of enzymes involved in the remethylation of methionine. Western blotting analysis of hepatic BHMT, MTHFR and MTR protein expression levels in male and female WT and Cgl null mice. Values shown represent the mean $\pm$ s.d., \*Pless than 0.05, \*\*Pless than 0.01, \*\*\*Pless than 0.001. Image collected and cropped by CiteAb from the following publication ([//bio.biologists.org/cgi/doi/10.1242/bio.013433](https://doi.org/10.1242/bio.013433)) licensed under a CC-BY license.



Immunohistochemistry-Paraffin: MTR Antibody [NB100-791] - Human adrenal gland. Antibody at 3.8 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Maclea KN, Jiang H, Phinney WN, et al. Derangement of hepatic polyamine, folate, and methionine cycle metabolism in cystathionine beta-synthase-deficient homocystinuria in the presence and absence of treatment: Possible implications for pathogenesis Molecular genetics and metabolism 2021-01-11 [PMID: 33483253]

Chen LH, Liu ML, Hwang HY et al. Human methionine synthase. cDNA cloning, gene localization, and expression. J Biol Chem 1997-02-07 [PMID: 9013615]

Jiang H, Hurt KJ, Breen K et al. Sex-specific dysregulation of cysteine oxidation and the methionine and folate cycles in female cystathionine gamma-lyase null mice: a serendipitous model of the methylfolate trap. Biol Open 2015-08-14 [PMID: 26276101] (WB, Mouse)



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### Products Related to NB100-791

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NB800-PC1	HeLa Whole Cell Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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

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### 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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