

Product Datasheet

MTA2 Antibody NB100-56483

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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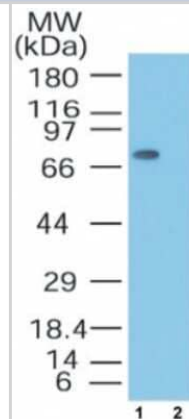
NB100-56483

MTA2 Antibody

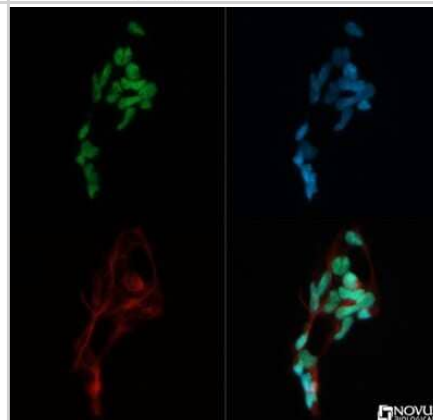
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS containing 0.05% BSA
Target Molecular Weight	75 kDa
Product Description	
Description	Novus Biologicals Rabbit MTA2 Antibody (NB100-56483) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MTA2 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9219
Gene Symbol	MTA2
Species	Human, Primate
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Dog (88%), Bovine (88%) and Xenopus (76%).
Immunogen	A portion of amino acids 600-668 of human MTA2 was used as the immunogen (NP_004730).
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.5-2 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:1000, Immunohistochemistry-Paraffin 5-10 ug/ml

Images

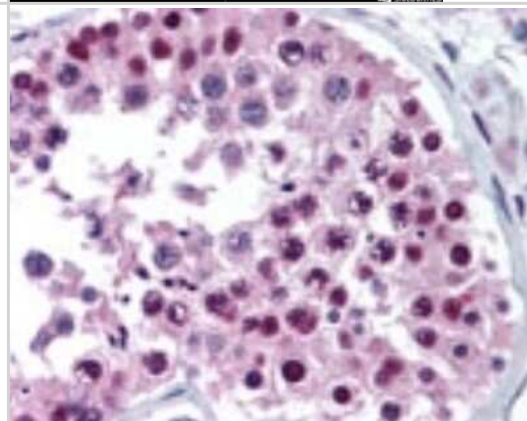
Western Blot: MTA2 Antibody [NB100-56483] - Lysate from Jurkat cells, in the 1) absence and 2) presence of immunizing peptide, probed with this antibody at 0.5 ug/ml. I goat anti-rabbit Ig HRP secondary antibody and PicoTect ECL substrate solution were used for this test.



Immunocytochemistry/Immunofluorescence: MTA2 Antibody [NB100-56483] - This antibody was tested in HEK293 cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



Immunohistochemistry: MTA2 Antibody [NB100-56483] - Analysis of Human Testis using this antibody at 10 ug/ml.



Publications

Quaas CE, Lin B, Long DT Transcription suppression is mediated by the HDAC1-Sin3 complex in Xenopus nucleoplasmic extract *The Journal of biological chemistry* 2022-10-08 [PMID: 36220390] (WB, Human)

An JX, Ma MH, Zhang CD et al. miR-1236-3p inhibits invasion and metastasis in gastric cancer by targeting MTA2 *Cancer Cell Int.* 2018-05-01 [PMID: 29743816] (WB, Human)

Errico A, Aze A, Costanzo V. Mta2 promotes Tipin-dependent maintenance of replication fork integrity. *Cell Cycle* 2014-05-15 [PMID: 24830473] (WB)

Procedures

Immunohistochemistry-Paraffin Protocol Specific for NB100-56483: MTA2 Antibody

MTA2 Antibody:

Materials

- 1) 1 Phosphate buffered saline (pH 7.6): NaCl 137mmol/L, KCl 2.7mmol/L, Na₂HPO₄ 4.3mmol/L, KH₂PO₄ 1.4 mmol/L
- 2) Citrate buffer, 0.01 M, pH6.0, Sodium Citrate 3g, Citric acid 0.4g
- 3) 3% Hydrogen peroxide
- 4) Primary antibody
- 5) Blocking serum (normal serum)
- 6) Biotinylated secondary antibody
- 7) DAB staining kit

Methods

1. Dewax and hydration of slides using xylene and EtOH:

Dry slides for 20 min in a 60 C oven

Add Xylene, 2 x 10 min

100%, 95%, 80%, and 70% EtOH, 5 min each EtOH concentration

Rinse in PBS, 5'

2 Antigen retrieval method (only for paraffin slides)

1a. High-pressure antigen retrieval procedure (recommended method)

Place slides in a glass slide holder (ensure that the slide holder is completely filled with slides, slides without sections if necessary, to ensure even heating. The entire slide holder is immersed in 1000 ml of Citrate buffer (0.01M, pH6.0) within a pressure cooker

Once steam is produced, and ONLY when steam is visible, from the pressure cooker (usually 15-20 min), the required high-pressure will have been reached, and slides will be incubated for 2 min.

Turn off heat, and allow buffer and slides to cool to room temperature

Slides are then rinsed in PBS for 5 minutes

2. Add 3% hydrogen peroxide solution, 10'at RT, then PBS, 3X5'

3. Normal blocking serum, 20'at RT

4. Incubate with Primary Ab, 4C overnight or 1.5 hours at 37C

5. Rinse with PBS, 3 X 5' each rinse

6. Add Biotin-conjugated second antibody, 10'at RT

7. Rinse with PBS, 3 X 5' each rinse

8. Add Streptavidin-Peroxidase, 10'at RT

9. Rinse with PBS, 3 X 5' each rinse

10. Staining with DAB solution, 2-5'under microscope

11. Stop the reaction by washing in tap water

12. Counterstain in Haematoxylin for 3-5 minutes

13. 75%, 80%, 95% and 100% ethanol, 5x2', xylene 2 x 10'





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Products Related to NB100-56483

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit 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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