

Product Datasheet

5-MethylCytosine Antibody (4111) - Azide and BSA Free NBP2-42814

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Publications: 2

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NBP2-42814**5-MethylCytosine Antibody (4111) - Azide and BSA Free**

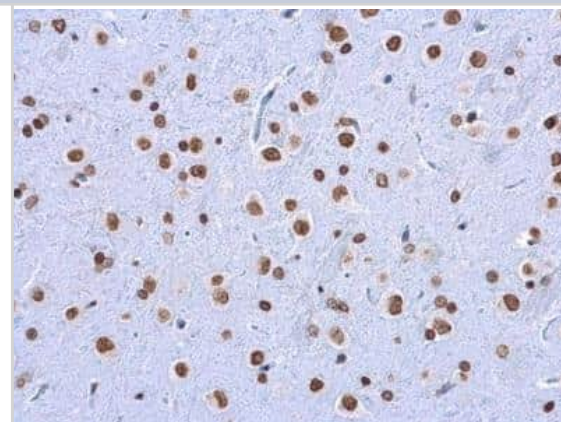
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4111
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Mouse 5-MethylCytosine Antibody (4111) - Azide and BSA Free (NBP2-42814) is a monoclonal antibody validated for use in IHC. Anti-5-MethylCytosine Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	All Species
Immunogen	The immunogen used to generate this antibody corresponds to 5-MethylCytosine

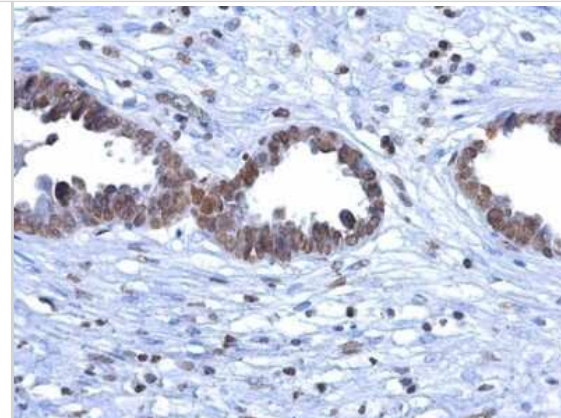
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Dot Blot, Electron Microscopy, Immunohistochemistry, Immunohistochemistry-Frozen, Methylated DNA Immunoprecipitation, Immunohistochemistry Whole-Mount
Recommended Dilutions	Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen Assay dependent, Dot Blot 1:100 - 1:2000, Electron Microscopy Assay dependent, Methylated DNA Immunoprecipitation Assay dependent, Immunohistochemistry Whole-Mount 1:50-1:500

Images

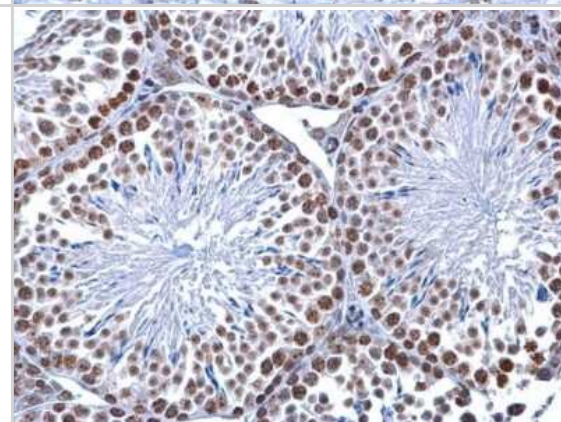
Immunohistochemistry-Paraffin: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Paraffin-embedded rat brain. 5-Methylcytosine / 5-mC antibody diluted at 1:200.



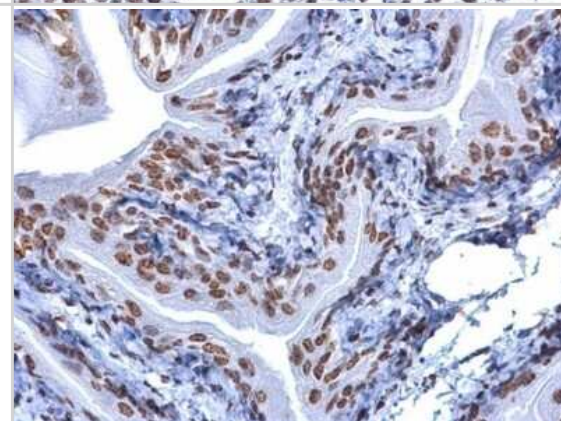
Immunohistochemistry-Paraffin: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of human ovarian carcinoma. 5-Methylcytosine / 5-mC antibody [4111] dilution: 1:200.



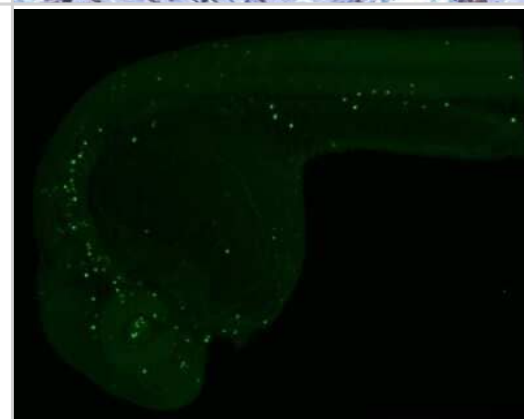
Immunohistochemistry-Paraffin: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of mouse testis. 5-Methylcytosine / 5-mC antibody [4111] dilution: 1:200.



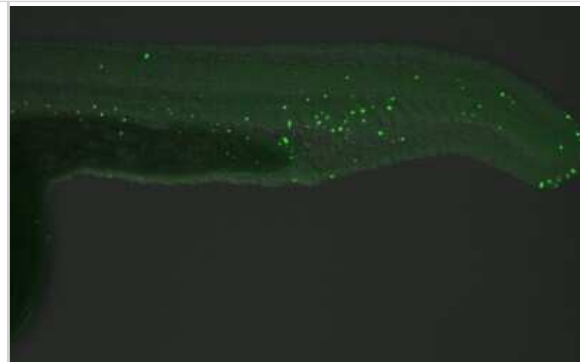
Immunohistochemistry-Paraffin: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of mouse urinary bladder. 5-Methylcytosine / 5-mC antibody [4111] dilution: 1:200.



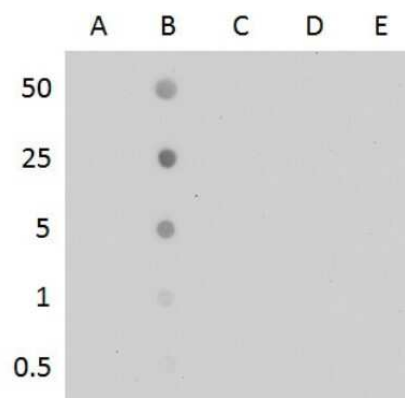
Immunohistochemistry Whole-Mount: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of 24 hours-post-fertilization zebrafish embryo. 5-Methylcytosine / 5-mC antibody [4111] dilution: 1:50.



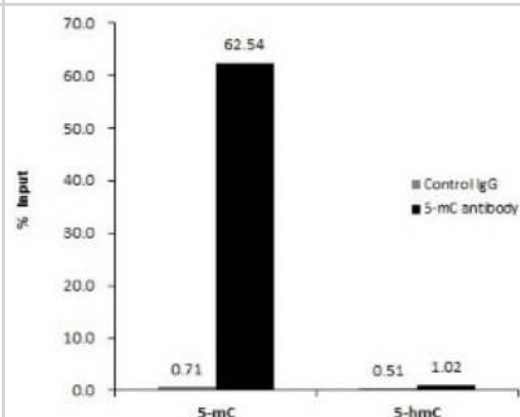
Methylated DNA Immunoprecipitation: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of 24 hours-post-fertilization zebrafish embryo. 5-Methylcytosine / 5-mC antibody [4111] dilution: 1:50.



Dot Blot: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of anti-5-mC antibody with the synthetic DNA controls . DNA samples (0.5 to 50 ng) were spotted onto positively charged nylon membrane and blotted with 5-mC antibody at a dilution of 1:500. A: Unmethylated DNA fragment B: DNA fragment containing 5-methylcytosine C: DNA fragment containing 5-hydroxymethylcytosine D: DNA fragment containing 5-formylcytosine E: DNA fragment containing 5-carboxylcytosine .



Methylated DNA Immunoprecipitation: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of human genomic DNA (500 ng) mixed with methylated cytosine standard kit, using 5-Methylcytosine/ 5-mC antibody at 1:500 dilution. Analyzed with semi-quantitative PCR and Immunoprecipitated DNA was plotted as % of input DNA.



Publications

Yang C, Deng L, Bao F et al. Sevoflurane with Low Concentration Decrease DNA Methylation on Chronic Obstructive Pulmonary Disease (COPD)-Related Gene Promoter in COPD Rat COPD 2023-12-01 [PMID: 38010369] (DB)

Herwig-Carl, MC;Sharma, A;Holler, T;Holz, FG;Schlitter, AM;Loeffler, KU; Spatial intratumor heterogeneity in uveal melanoma: Tumor cell subtypes with a presumed invasive potential exhibit a particular epigenetic staining reaction Exp. Eye Res. 2019-04-04 [PMID: 30954503] (IHC-P, Human)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-42814

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-62131	5-MethylCytosine ELISA Kit (Colorimetric)

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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