

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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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

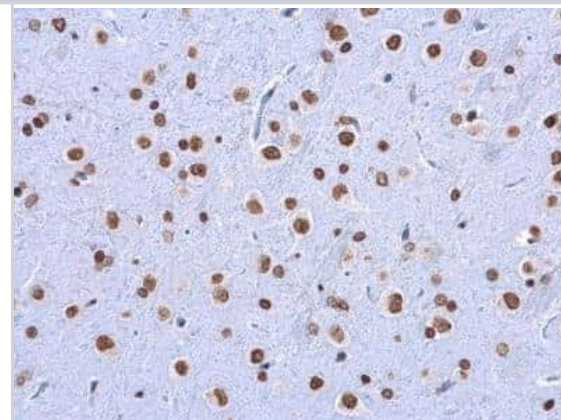
Host	Mouse
Species	All Species
Immunogen	The immunogen used to generate this antibody corresponds to 5-MethylCytosine

Product Application Details

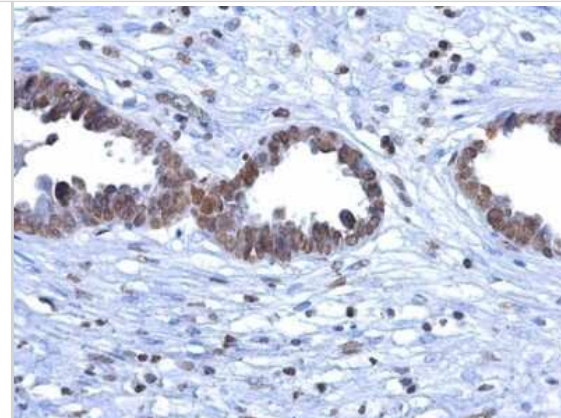
Applications	Dot Blot, Electron Microscopy, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Methylated DNA Immunoprecipitation, Immunohistochemistry Whole-Mount
Recommended Dilutions	Immunohistochemistry 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 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

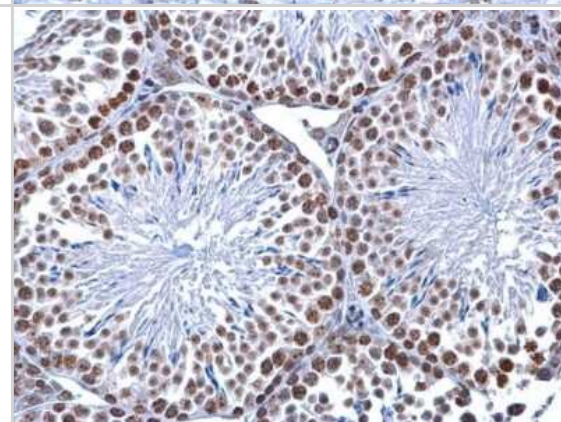
Immunohistochemistry-Paraffin: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Paraffin-embedded rat brain. 5-Methylcytosine / 5-mC antibody diluted at 1:200.



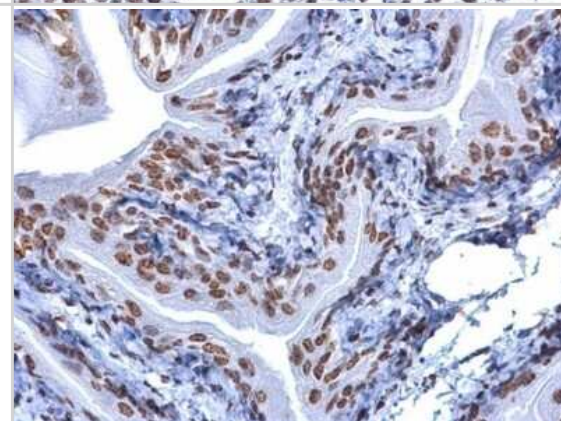
Immunohistochemistry-Paraffin: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of human ovarian carcinoma. 5-Methylcytosine / 5-mC antibody [4111] dilution: 1:200.



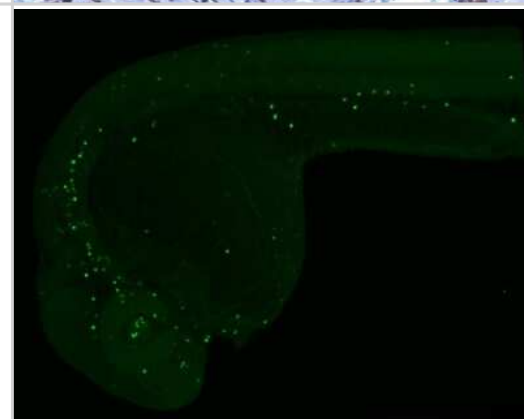
Immunohistochemistry-Paraffin: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of mouse testis. 5-Methylcytosine / 5-mC antibody [4111] dilution: 1:200.



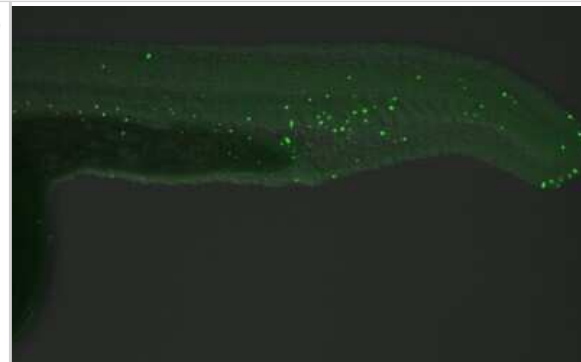
Immunohistochemistry-Paraffin: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of mouse urinary bladder. 5-Methylcytosine / 5-mC antibody [4111] dilution: 1:200.



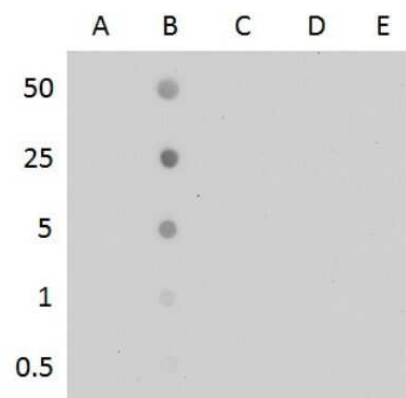
Immunohistochemistry Whole-Mount: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of 24 hours-post-fertilization zebrafish embryo. 5-Methylcytosine / 5-mC antibody [4111] dilution: 1:50.



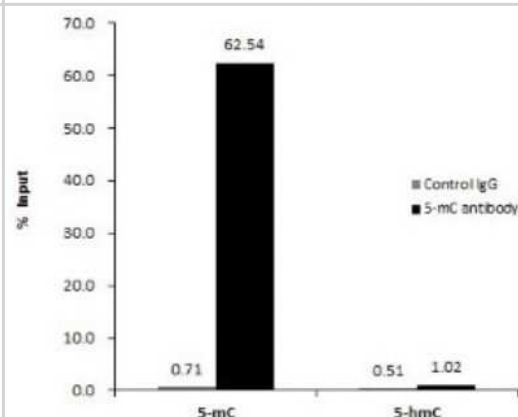
Methylated DNA Immunoprecipitation: 5-MethylCytosine Antibody (4111) [NBP2-42814] - Analysis of 24 hours-post-fertilization zebrafish embryo. 5-Methylcytosine / 5-mC antibody [4111] dilution: 1:50.



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)



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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.

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