

Product Datasheet

5-hmC Antibody (AB3/63.3) - BSA Free NBP2-50099

Unit Size: 0.1 ml

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

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NBP2-50099

5-hmC Antibody (AB3/63.3) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	AB3/63.3
Preservative	0.02% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein G purified
Buffer	PBS
Product Description	
Host	Rat
Species	All Species
Specificity/Sensitivity	Expected to detect 5-hydroxymethylcytosine in all species.
Immunogen	5-hmC conjugated to BSA
Product Application Details	
Applications	Dot Blot, Immunocytochemistry/Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Immunocytochemistry/Immunofluorescence 1:10 - 1:500, Immunoprecipitation 1:10 - 1:500, Dot Blot 1:100 - 1:2000
Application Notes	Positive control(s): Unmodified DNA, 5-Methylcytosine DNA, and 5-hydroxymethylcytosine DNA.

Publications

Cao Z, Zhou N, Zhang Y et al. Dynamic reprogramming of 5-hydroxymethylcytosine during early porcine embryogenesis. Theriogenology. [PMID: 24315686]

Wossidlo et al. 5-Hydroxymethylcytosine in the mammalian zygote is linked with epigenetic reprogramming. Nat Commun. [PMID: 21407207]

Zhang Q, Lei X, Lu H. Alterations of epigenetic signatures in hepatocyte nuclear factor 4 alpha deficient mouse liver determined by improved ChIP-qPCR and (h)MeDIP-qPCR assays. PLoS One [PMID: 24427299] (IP)

Ficz et al. Dynamic regulation of 5-hydroxymethylcytosine in mouse ES cells and during differentiation. Nature [PMID: 21460836] (ICC/IF)





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
novus@novusbio.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: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

Products Related to NBP2-50099

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP1-43321-0.5mg	Rat IgG2a Kappa Light Chain Isotype Control (R2a)

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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