

Product Datasheet

N6-methyladenosine (m6A) Antibody (17-3-4-1) - BSA Free NBP2-50525

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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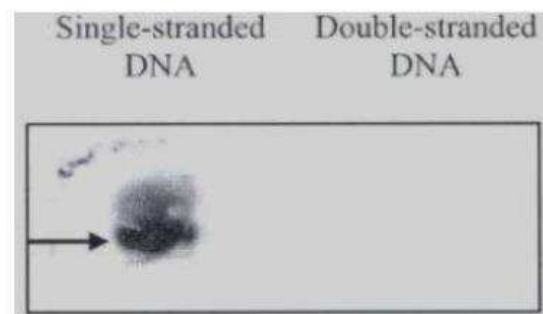
NBP2-50525**N6-methyladenosine (m6A) Antibody (17-3-4-1) - BSA Free**

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	17-3-4-1
Preservative	0.02% Sodium Azide
Isotype	IgG1 Lambda
Purity	Protein A purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse N6-methyladenosine (m6A) Antibody (17-3-4-1) - BSA Free (NBP2-50525) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-N6-methyladenosine (m6A) Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Human, Mouse, Yeast
Reactivity Notes	Saccharomyces cerevisiae
Specificity/Sensitivity	This antibody recognizes N6-methyladenosine in both modified RNA AND DNA.
Immunogen	Hapten N6-methyladenosine-5'-mono-phosphate conjugated to BSA of all N6-methyladenosine
Product Application Details	
Applications	Western Blot, Dot Blot, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunoprecipitation 1:10 - 1:500, Dot Blot
Application Notes	IP: The best results are obtained by pre-binding the antibody to the beads before washing off unbound immunoglobulin. It is recommended to start with an excess of antibody in order to ensure the Protein G beads are saturated.



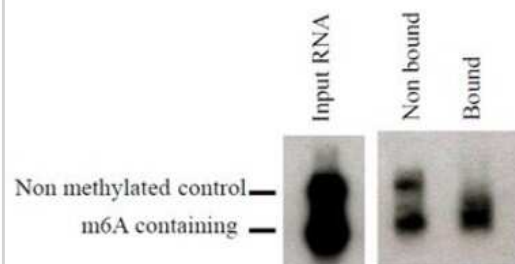
Images

Western Blot: N6-methyladenosine (m6A) Antibody (17-3-4-1) [NBP2-50525]



Western analysis showing anti-m6A IgG antibodies recognising single-stranded DNA. Arrow indicates m6A containing fragment.

Western Blot: N6-methyladenosine (m6A) Antibody (17-3-4-1) [NBP2-50525]



m6A can be used to purify synthetic methylated transcripts. Radiolabelled control non-methylated (350 nt) and methylated (250 nt) input transcripts can be separated using m6A for IP.

Western Blot: N6-methyladenosine (m6A) Antibody (17-3-4-1) [NBP2-50525]



Use of m6A in a north western blot using synthetic methylated and non-methylated RNA.

Publications

Guo J, Zhao M, Chen C et al. A laser-induced graphene-based electrochemical immunosensor for nucleic acid methylation detection *The Analyst* 2023-11-21 [PMID: 37986634]

Zhao F, Xu Y, Gao S Et al. METTL3-dependent RNA m6A dysregulation contributes to neurodegeneration in Alzheimer's disease through aberrant cell cycle events *Molecular neurodegeneration* 2021-09-30 [PMID: 34593014] (IHC-P, IP, ICC/IF, Rat, Human)



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Products Related to NBP2-50525

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96982	Mouse IgG1 Lambda Isotype Control (MG1L)

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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