

# 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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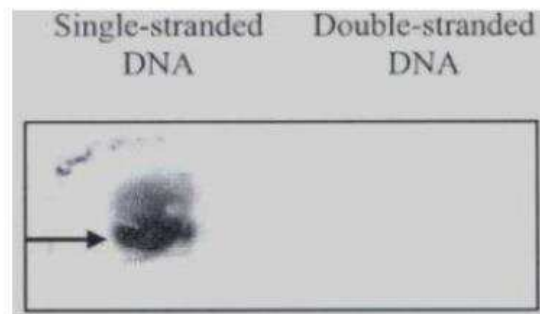


**NBP2-50525****N6-methyladenosine (m6A) Antibody (17-3-4-1) - BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	17-3-4-1
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1 Lambda
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	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.
<b>Host</b>	Mouse
<b>Species</b>	Human, Mouse, Yeast
<b>Reactivity Notes</b>	Saccharomyces cerevisiae
<b>Specificity/Sensitivity</b>	This antibody recognizes N6-methyladenosine in both modified RNA AND DNA.
<b>Immunogen</b>	Hapten N6-methyladenosine-5'-mono-phosphate conjugated to BSA of all N6-methyladenosine
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Dot Blot, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:100 - 1:2000, Immunoprecipitation 1:10 - 1:500, Dot Blot
<b>Application Notes</b>	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.

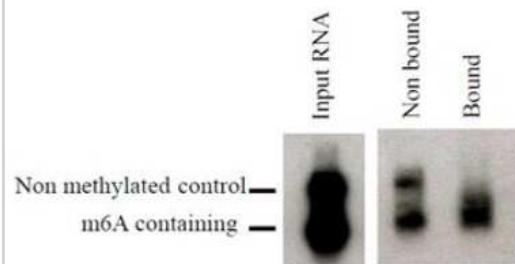
## Images

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**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96982	Mouse IgG1 Lambda Isotype Control (MG1L)

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### **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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