

Product datasheet for **TA352861**

Mouse Monoclonal Antibody [Clone ID: 17-3-4-1]

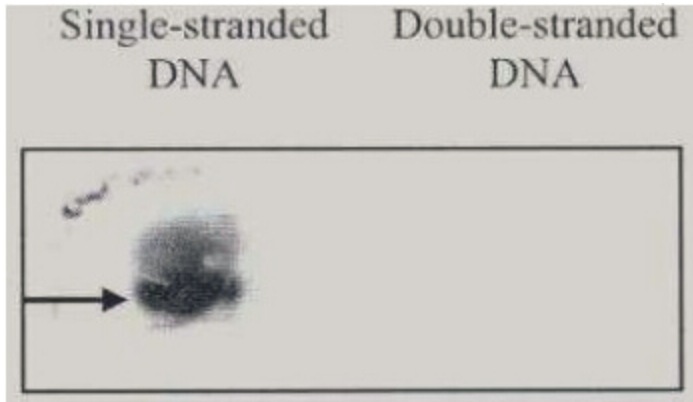
Product data:

Product Type:	Primary Antibodies
Clone Name:	17-3-4-1
Applications:	WB
Recommended Dilution:	IP ; Dot Blot
Reactivity:	Human, Mouse, Saccharomyces cerevisiae
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Hapten N6-methyladenosine-5'-mono-phosphate conjugated to BSA of all N6-methyladenosine
Formulation:	PBS with 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Background:	N6-Methyladenosine (m6A) is an abundant modification found in mRNA, tRNA, snRNA, as well as long non-coding RNA, in all species. RNA adenosine methylation is catalyzed by a multicomponent complex composed of METTL3/MT-A70, METTL14, and WTAP in mammals. METTL3 & METTL14 are responsible for the methyltransferase activity of the complex, and WTAP mediates substrate recruitment.
Note:	This antibody recognises N6-methyladenosine in both modified RNA AND DNA (see associated data).

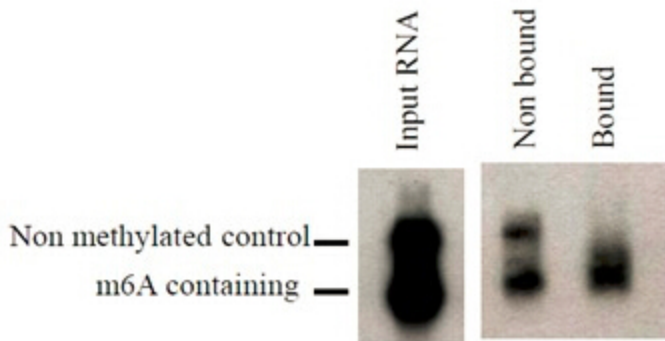


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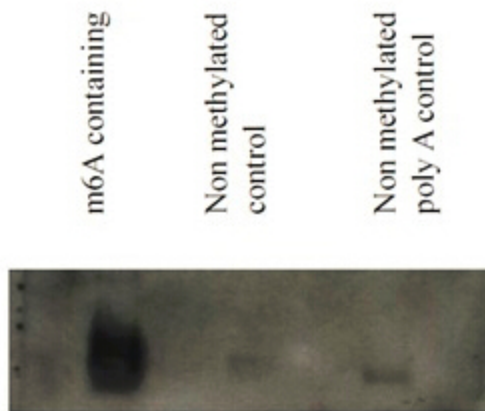
Product images:



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



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.



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