

# Product Datasheet

## MCM2 Antibody (MCM2/3678) [Alexa Fluor® 647] NBP3-14118AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14118AF647**

MCM2 Antibody (MCM2/3678) [Alexa Fluor® 647]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	MCM2/3678
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Conjugate	Alexa Fluor 647
Purity	Protein A or G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Gene ID	4171
Gene Symbol	MCM2
Species	Human
Reactivity Notes	0
Marker	Proliferation Marker
Specificity/Sensitivity	The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. MCM7 is one of the highly conserved mini-chromosome maintenance proteins (MCM) that is essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the MCM proteins is a key component of the pre-replication complex and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumor suppressor protein RB1/RB.
Immunogen	Recombinant fragment (aa 650-750) of human MCM2 protein (exact sequence is proprietary) (Uniprot: P49736)

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<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry-Paraffin
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



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### **Products Related to NBP3-14118AF647**

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IC002R	Mouse IgG1 Isotype Control (11711) [Alexa Fluor® 647]
H00004171-Q01-10ug	Recombinant Human MCM2 GST (N-Term) Protein
NBL1-12950	MCM2 Overexpression Lysate
NB500-106	PCNA Antibody (PC10)

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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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