

Datasheet: VPA00023

Description:	RABBIT ANTI MCM6
Specificity:	MCM6
Format:	Purified
Product Type:	PrecisionAb™ Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Synthetic peptide corresponding to a region within human MCM6
External Database Links	UniProt: Q14566 Related reagents Entrez Gene: 4175 MCM6 Related reagents

Specificity	Rabbit anti Human MCM6 antibody recognizes human minichromosome maintenance 6 (MCM6), also known as DNA replication licensing factor or p105MCM. MCM6 is a 821 amino acid nuclear
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component of the MCM complex containing a single [MCM](#) domain.

MCM6 is involved in the initiation and control of eukaryotic DNA replication. Studies show that MCM4 forms a hexameric protein complex with MCM6 and 7, which has DNA helicase activity, and may act as a DNA unwinding enzyme ([Kanter et al. 2008](#)). The phosphorylation of this complex by CDC2 kinase reduces the DNA helicase activity and chromatin binding of the MCM complex ([Ishimi et al. 2001](#)). MCM6 has been noted to have elevated expression in Hodgkin's lymphoma ([Karimi et al. 2008](#)) and be a predictor of survival in patients with mantle cell lymphoma ([Schrader et al. 2005](#)).

Rabbit anti Human MCM6 antibody recognizes human MCM6 as a single band of ~105 kDa in multiple human cell line lysates by western blotting under reducing conditions. It also cross reacts with rodent cell lines tested.

Western Blotting	Anti MCM6 antibody detects a band of approximately 105 kDa in HeLa cell lysates.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10057 available at: Antibody (10057): https://www.bio-rad-antibodies.com/uploads/MSDS/10057.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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