

Datasheet: VPA00023KT

Description:	MCM6 ANTIBODY WITH CONTROL LYSATE
Specificity:	MCM6
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

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. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

20µl Rabbit polyclonal antibody purified by affinity chromatography

Buffer Solution

TRIS buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Immunogen

Synthetic peptide corresponding to a region within human MCM6

External Database Links	UniProt: Q14566 Related reagents Entrez Gene: 4175 MCM6 Related reagents
Specificity	<p>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 component of the MCM complex containing a single MCM domain.</p> <p>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).</p> <p>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.</p>
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.
Lysate Composition	400µg HeLa lysate lyophilized in RIPA buffer.
Lysate Reconstitution	<ul style="list-style-type: none"> - If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
Storage	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.</p>
Guarantee	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 #10561 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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