

Product Datasheet

Recombinant MCM7 Antibody (orb606967)

Catalog Number	orb606967
Category	Antibodies
Description	<p>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.</p>
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein A affinity chromatography
Immunogen	A human recombinant partial protein corresponding to amino acids 195-319 was used as the immunogen for the recombinant MCM7 antibody.
UniProt ID	P33993
Tested applications	IHC-P, WB

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

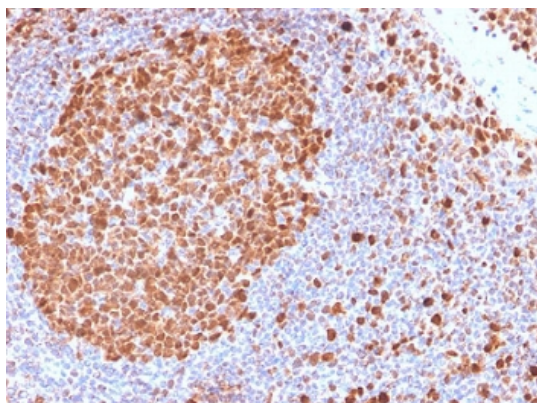
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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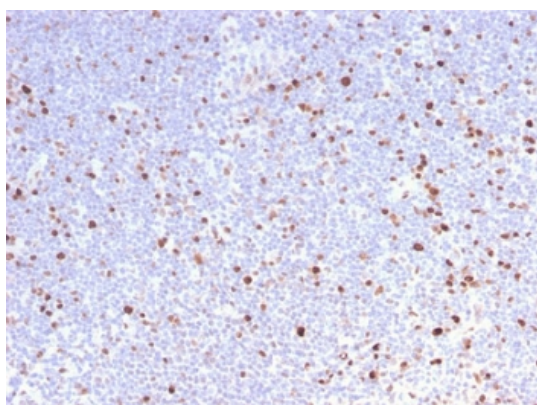
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Dilution range	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Titration of the recombinant MCM7 antibody may be required for optimal performance. 1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	MCM7/2832R
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human tonsil with recombinant MCM7 antibody. Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min.



IHC testing of FFPE human lymph node with recombinant MCM7 antibody. Required HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 10-20 min.

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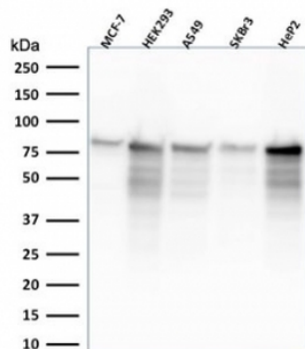
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Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

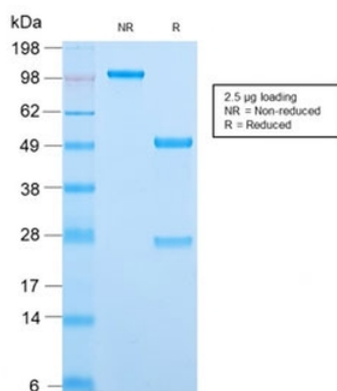
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Western blot testing of human 1) MCF7, 2) HEK293, 3) A549, 4) SKBR3 and 5) HeP2 cell lysate with MCM7 antibody (clone MCM7/2832R). Expected molecular weight: 80~90 kDa.



SDS-PAGE analysis of purified, BSA-free recombinant MCM7 antibody (clone MCM7/2832R) as confirmation of integrity and purity.

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