

## Product Datasheet

### Recombinant MCM7 Antibody (orb534371)

<b>Catalog Number</b>	orb534371
<b>Category</b>	Antibodies
<b>Description</b>	Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity. Required for S-phase checkpoint activation upon UV-induced damage. [UniProt]
<b>Clonality</b>	Recombinant
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG, kappa
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Buffer/Preservatives</b>	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
<b>Purification</b>	Protein A affinity chromatography
<b>Immunogen</b>	Amino acids 195-319 from the human protein were used as the immunogen for the recombinant MCM7 antibody.
<b>UniProt ID</b>	<b>P33993</b>
<b>Tested applications</b>	IHC-P, WB

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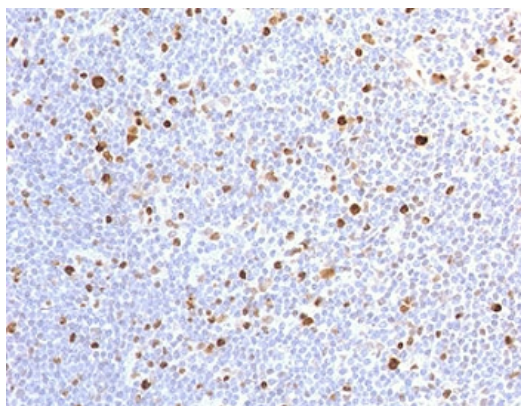
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<b>Dilution range</b>	Western blot: 1-2ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT, Prediluted IHC only format: incubate for 30 min at RT (1)
<b>Application notes</b>	The stated application concentrations are suggested starting points. Titration of the recombinant MCM7 antibody may be required due to differences in protocols and secondary/substrate sensitivity.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.
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	MMCC7-1R
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



IHC testing of FFPE human lymph node with recombinant MCM7 antibody (clone MMCC7-1R). Required HIER: boil tissue sections in pH9 10 mM Tris with 1 mM EDTA for 10-20 min.

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Western blot testing of human MCF7 cell lysate with recombinant MCM7 antibody (clone MMCC7-1R). Expected molecular weight: 80~90 kDa.

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