

Product Datasheet

Recombinant MCM7 Antibody (orb534371)

Catalog Number	orb534371
Category	Antibodies
Description	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]
Clonality	Recombinant
Species/Host	Rabbit
Isotype	Rabbit IgG, kappa
Conjugation	Unconjugated
Reactivity	Human
Purification	Protein A affinity chromatography
Immunogen	Amino acids 195-319 from the human protein were used as the immunogen for the recombinant MCM7 antibody.
UniProt ID	P33993
Tested applications	IHC-P, WB
Dilution range	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)

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Application notes

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.

Antibody Type

Primary Antibody

Clone Number

MMCC7-1R

Formula

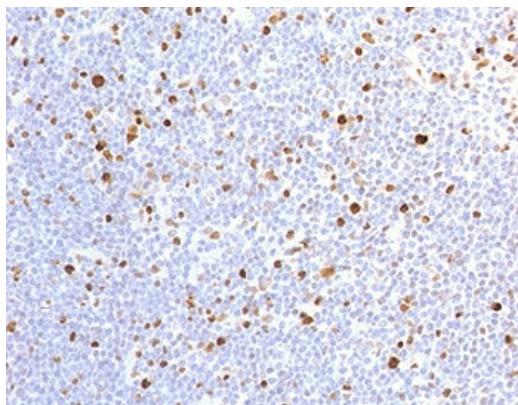
0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide

Storage

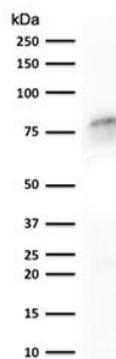
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only



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.



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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