

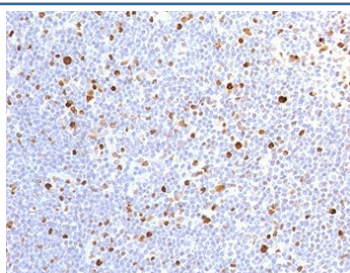
Recombinant MCM7 Antibody [clone MMCC7-1R] (V7360)

Catalog No.	Formulation	Size
V7360-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7360-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7360SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7360IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

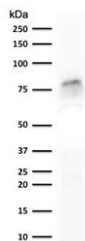
Recombinant **RABBIT MONOCLONAL**

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	MMCC7-1R
Purity	Protein A affinity chromatography
UniProt	P33993
Localization	Nuclear
Applications	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)
Limitations	This recombinant MCM7 antibody is available for research use only.



IHC testing of FFPE human lymph node with recombinant MCM7 antibody (clone MMCC7-1R). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM 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.

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]

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.

Immunogen

Amino acids 195-319 from the human protein were used as the immunogen for the recombinant MCM7 antibody.

Storage

Store the recombinant MCM7 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).