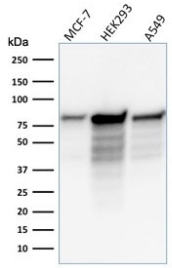
MCM7 Antibody [clone MCM7/1466] (V3365)

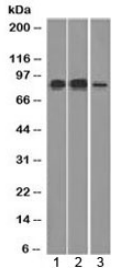
Catalog No.	Formulation	Size
V3365-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3365-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3365SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

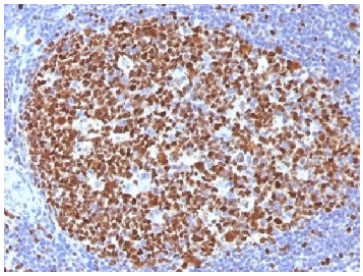
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	MCM7/1466
Purity	Protein G affinity chromatography
UniProt	P33993
Localization	Nuclear
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This MCM7 antibody is available for research use only.



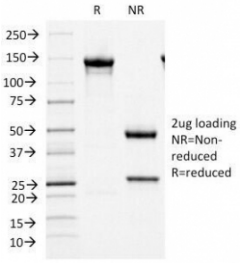
Western blot testing of human samples with MCM7 antibody (clone MCM7/1466). Expected molecular weight: 80-90 kDa.



Western blot testing of human 1) HeLa, 2) Raji and 3) HepG2 cell lysate with MCM7 antibody (clone MCM7/1466). Expected molecular weight: 80-90 kDa.



IHC testing of FFPE human tonsil with MCM7 antibody (clone MCM7/1466). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min.



SDS-PAGE Analysis of Purified, BSA-Free MCM7 Antibody (clone MCM7/1466). Confirmation of Integrity and Purity of the Antibody.

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 amounts. Titration of the MCM7 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 195-319 were used as the immunogen for the MCM7 antibody.

Storage

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