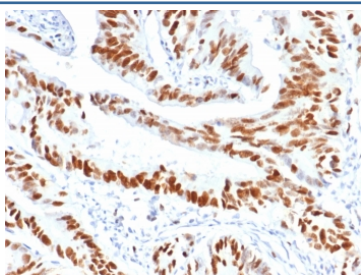


## MCM3 Antibody [clone MCM3/6706] (V5119)

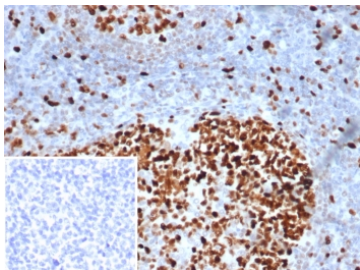
Catalog No.	Formulation	Size
V5119-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5119-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5119SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

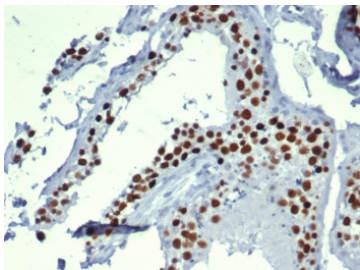
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	MCM3/6706
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P25205
<b>Localization</b>	Nucleus
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This MCM3 antibody is available for research use only.



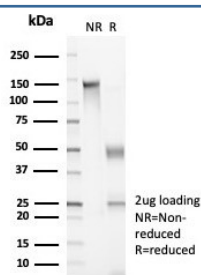
IHC staining of FFPE human colon carcinoma tissue with MCM3 antibody (clone MCM3/6706). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil tissue with MCM3 antibody (clone MCM3/6706).  
Inset: PBS instead of primary antibody, secondary only control.



IHC staining of FFPE human testis tissue with MCM3 antibody (clone MCM3/6706).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free MCM3 antibody (clone MCM3/6706) as confirmation of integrity and purity.

## 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 DNA replication and cell proliferation.

## Application Notes

Optimal dilution of the MCM3 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 650-750) from the human protein was used as the immunogen for the MCM3 antibody.

## Storage

Aliquot the MCM3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

