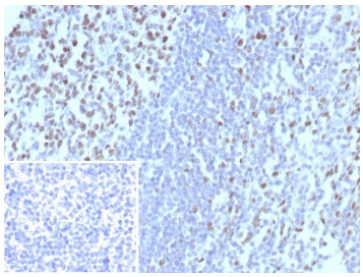
MCM3 Antibody [clone MCM3/8972R] (V5120)

Catalog No.	Formulation	Size
V5120-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5120-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5120SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

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	MCM3/8972R
Purity	Protein A/G affinity
UniProt	P25205
Localization	Nucleus
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This MCM3 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with MCM3 antibody (clone MCM3/8972R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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 -20oC or colder. Avoid repeated freeze-thaw cycles.