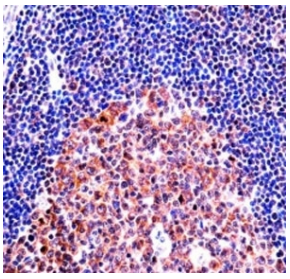
MCM4 Antibody (F43926)

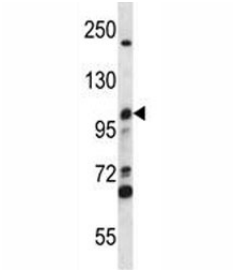
Catalog No.	Formulation	Size
F43926-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43926-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Xenopus
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P33991
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
Limitations	This MCM4 antibody is available for research use only.



MCM4 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue.



MCM4 antibody western blot analysis in CEM lysate.

Description

The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 6 and 7 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. The phosphorylation of this protein by CDC2 kinase reduces the DNA helicase activity and chromatin binding of the MCM complex. This gene is mapped to a region on the chromosome 8 head-to-head next to the PRKDC/DNA-PK, a DNA-activated protein kinase involved in the repair of DNA double-strand breaks. Alternatively spliced transcript variants encoding the same protein have been reported.

Application Notes

Titration of the MCM4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 637-665 from the human protein was used as the immunogen for this MCM4 antibody.

Storage

Aliquot the MCM4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.