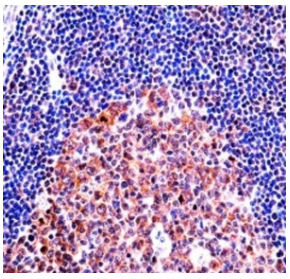
# MCM4 Antibody (F43926)

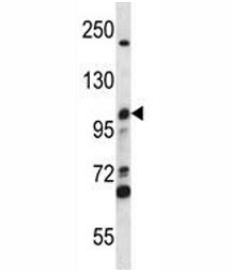
| Catalog No. | Formulation | Size |
|---|---|---|
| F43926-0.4ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml |
| F43926-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

**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<br>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.


Copyright © NSJ Bioreagents. All rights reserved.