

Datasheet for ABIN3031812
anti-MCM4 antibody (AA 637-665)[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	MCM4
Binding Specificity:	AA 637-665
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MCM4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A portion of amino acids 637-665 from the human protein was used as the immunogen for this MCM4 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Xenopus
Purification:	Antigen affinity purified

Target Details

Target:	MCM4
Alternative Name:	MCM4 (MCM4 Products)
Background:	The protein encoded by this gene is one of the highly conserved mini-chromosome

Target Details

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.

UniProt: [P33991](#)

Pathways: [DNA Damage Repair](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Chromatin Binding](#), [Synthesis of DNA](#)

Application Details

Application Notes: Titration of the MCM4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

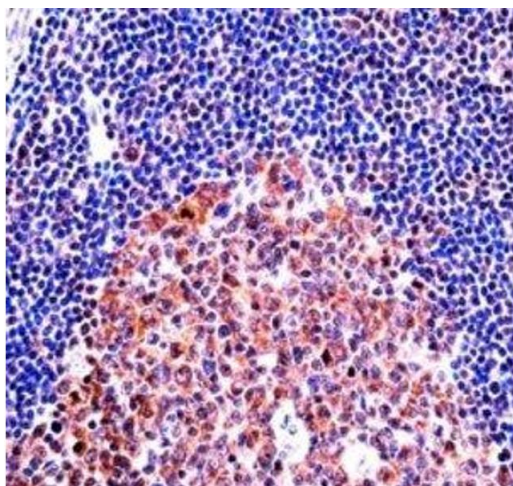
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

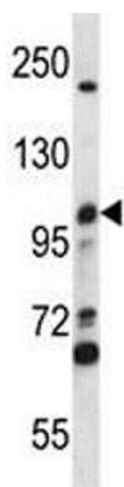
Storage: -20 °C

Storage Comment: Aliquot the MCM4 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



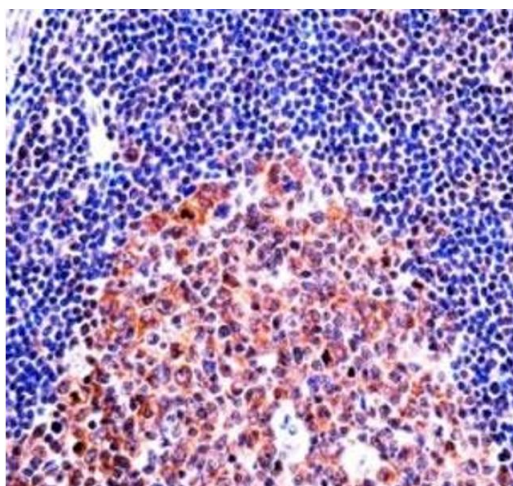
Immunohistochemistry

Image 1. MCM4 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue.



Western Blotting

Image 2. MCM4 antibody western blot analysis in CEM lysate.



Immunohistochemistry

Image 3. MCM4 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human tonsil tissue.