

Datasheet for ABIN6940018
anti-MCM7 antibody (AA 195-319)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	MCM7
Binding Specificity:	AA 195-319
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MCM7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant human MCM7 protein fragment (aa195-319)
Clone:	MCM7-1466
Isotype:	IgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	MCM7
Alternative Name:	MCM7 (MCM7 Products)
Background:	MCM7 is one of the highly conserved mini-chromosome maintenance proteins (MCM) that is essential for the initiation of eukaryotic genome replication. The hexameric protein complex

Target Details

formed by the MCM proteins is a key component of the pre-replication complex 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, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumor suppressor protein RB1/RB.

Molecular Weight: 88kDa

Gene ID: 4176

UniProt: [P33993](#)

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

Application Details

Application Notes: Positive Control: MCF-7, HEK-293, A549, Raji or Ramos cells. Tonsil.
Known Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

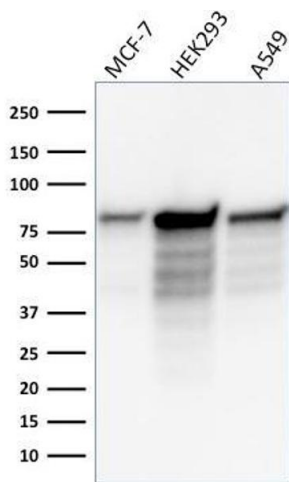
Preservative: Sodium azide

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

Storage: 4 °C,-80 °C

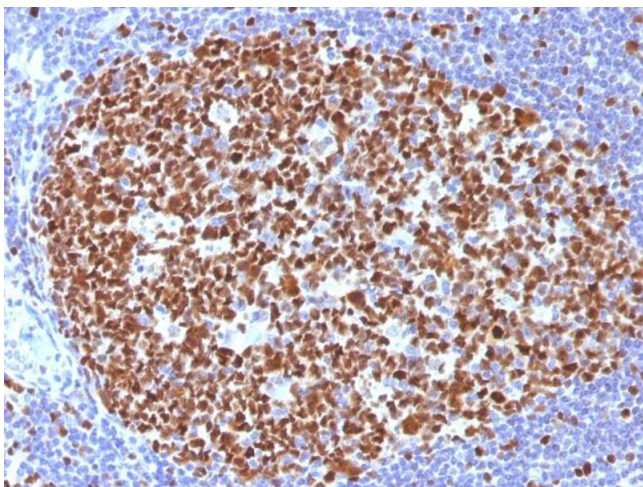
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



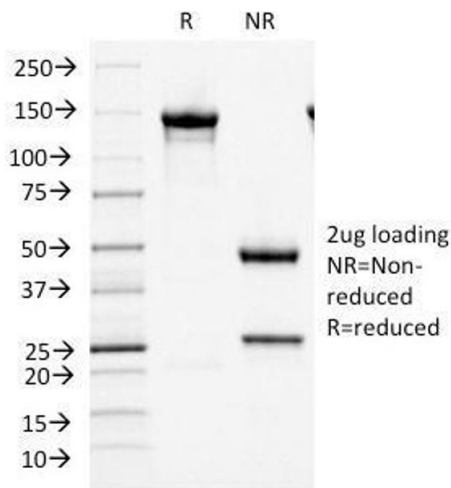
Western Blotting

Image 1. Western Blot Analysis of MCF-7, HEK-293, A549 lysate using MCM7 Mouse Monoclonal Antibody (MCM7/1466).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Tonsil stained with MCM7 Mouse Monoclonal Antibody (MCM7/1466).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified MCM7 Mouse Monoclonal Antibody (MCM7/1466). Confirmation of Integrity and Purity of Antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6940018.