

Datasheet for ABIN969281

anti-MCM2 antibody[Go to Product page](#)

7 Images

2 Publications

Overview

Quantity:	100 µL
Target:	MCM2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human MCM2 expressed in E. coli.
Clone:	1-00E-07
Isotype:	IgG1
Purification:	purified

Target Details

Target:	MCM2
Alternative Name:	MCM2 (MCM2 Products)
Background:	<p>Description: The protein encoded by this gene is one of the highly conserved mini-chromosome maintenance proteins (MCM) that are involved in 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</p>

Target Details

the recruitment of other DNA replication related proteins. This protein forms a complex with MCM4, 6, and 7, and has been shown to regulate the helicase activity of the complex. This protein is phosphorylated, and thus regulated by, protein kinases CDC2 and CDC7.

Aliases: BM28, CCNL1, CDCL1, cdc19, D3S3194, MITOTIN, KIAA0030, MGC10606

Molecular Weight: 125 kDa

Gene ID: 4171

HGNC: 4171

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

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

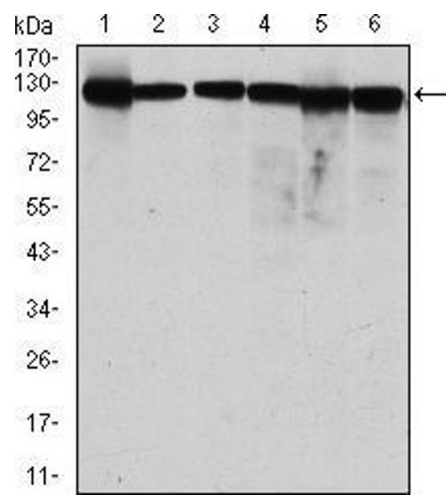
Publications

Product cited in: Jan, Adolfsson, Allaman, Buccarello, Magistretti, Pfeifer, Muhs, Lashuel: "Abeta42 neurotoxicity is mediated by ongoing nucleated polymerization process rather than by discrete Abeta42 species." in: **The Journal of biological chemistry**, Vol. 286, Issue 10, pp. 8585-96, (2011) ([PubMed](#)).

Deshmukh, Salehzadeh, Metayer-Coustard, Fahlman, Nair, Al-Khalili: "Post-transcriptional gene silencing of ribosomal protein S6 kinase 1 restores insulin action in leucine-treated skeletal

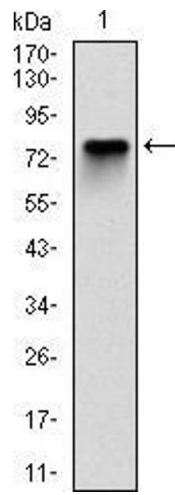
muscle." in: **Cellular and molecular life sciences : CMLS**, Vol. 66, Issue 8, pp. 1457-66, (2009) ([PubMed](#)).

Images



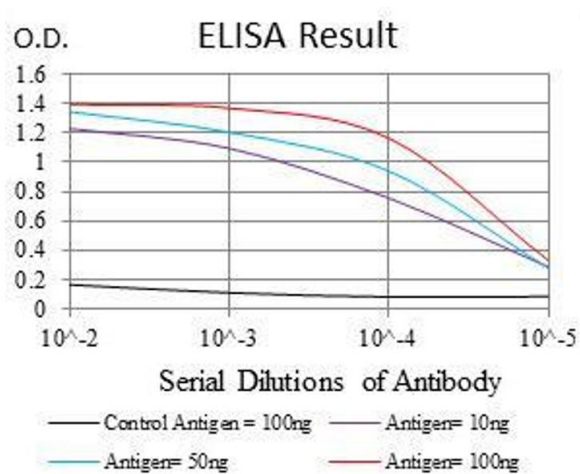
Western Blotting

Image 1. Western blot analysis using MCM2 mouse mAb against MCF-7 (1), HeLa (2), Jurkat (3), K562 (4), HEK293 (5) and HEPG2 (6) cell lysate.



Western Blotting

Image 2. Western blot analysis using MCM2 mAb against human MCM2 (AA: 16-232) recombinant protein. (Expected MW is 50.4 kDa)



ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN969281.