ARG40440
anti-MCM5 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MCM5
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MCM5
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-230 of Human MCM5 (NP_006730.2).
Conjugation	Un-conjugated
Alternate Names	CDC46 homolog; CDC46; P1-CDC46; DNA replication licensing factor MCM5; EC 3.6.4.12

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IP	Assay-dependent
WB	1:1000 - 1:3000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse spleen
Observed Size	100 kDa

Properties

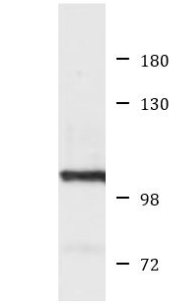
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MCM5
Gene Full Name	minichromosome maintenance complex component 5
Background	The protein encoded by this gene is structurally very similar to the CDC46 protein from S. cerevisiae, a protein involved in the initiation of DNA replication. The encoded protein is a member of the MCM family of chromatin-binding proteins and can interact with at least two other members of this family. The encoded protein is upregulated in the transition from the G0 to G1/S phase of the cell cycle and may actively participate in cell cycle regulation. [provided by RefSeq, Jul 2008]
Function	Acts as component of the MCM2-7 complex (MCM complex) which is the putative replicative helicase essential for 'once per cell cycle' DNA replication initiation and elongation in eukaryotic cells. The active ATPase sites in the MCM2-7 ring are formed through the interaction surfaces of two neighboring subunits such that a critical structure of a conserved arginine finger motif is provided in trans relative to the ATP-binding site of the Walker A box of the adjacent subunit. The six ATPase active sites, however, are likely to contribute differentially to the complex helicase activity (By similarity). Interacts with MCMBP. [UniProt]
Calculated Mw	82 kDa
Cellular Localization	Nucleus. Cytoplasm, cytosol. [UniProt]

Images



ARG40440 anti-MCM5 antibody WB image

Western blot: 25 µg of Mouse spleen lysate stained with ARG40440 anti-MCM5 antibody at 1:3000 dilution.