

ARG40432 anti-MCM5 antibody

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes MCM5 |
| Tested Reactivity | Hu, Ms |
| Tested Application | FACS, ICC/IF, IHC-P, IP, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | MCM5 |
| Species | Human |
| Immunogen | Synthetic peptide derived from Human MCM5. |
| 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 |
|-------------------|-------------|----------------|
| | FACS | 1:50 |
| | ICC/IF | 1:50 - 1:200 |
| | IHC-P | 1:50 - 1:200 |
| | IP | 1:50 |
| | WB | 1:500 - 1:2000 |

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

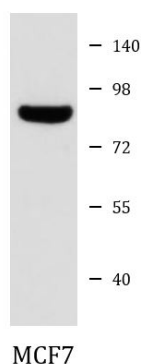
Properties

| | |
|---------------------|---|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | PBS (pH 7.4), 150 mM NaCl, 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. |

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 <i>S. cerevisiae</i> , 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



ARG40432 anti-MCM5 antibody WB image

Western blot: MCF7 cell lysate stained with ARG40432 anti-MCM5 antibody.