**Product Datasheet**

# MCM2 Rabbit mAb

Catalog No: #52799

Package Size: #52799-1 50ul #52799-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

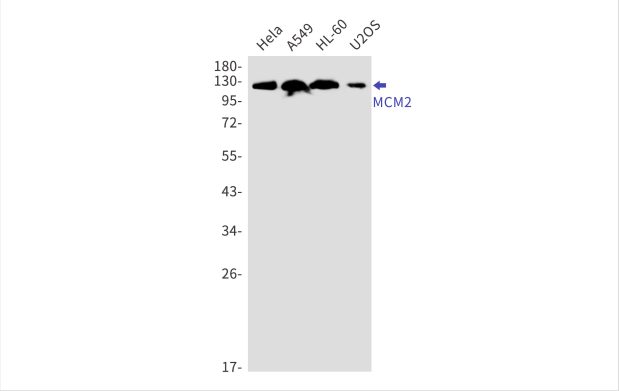
## Description

| | |
|---|---|
| Product Name | MCM2 Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Clone No. | S02-0D3 |
| Isotype | IgG |
| Purification | Affinity Purified |
| Applications | WB IHC IF |
| Species Reactivity | Human |
| Immunogen Description | A synthetic peptide of human MCM2 |
| Conjugates | Unconjugated |
| Modification | Unmodification |
| Other Names | BM28; CCNL1; CDCL1; cdc19; DFNA70; D3S3194; MITOTIN |
| Accession No. | Swiss-Prot:P49736GeneID:4171 |
| Uniprot | P49736 |
| GeneID | 4171 |
| Calculated MW | Calculated MW:102 kDa,Observed MW:125 kDa |
| Concentration | 0.3 mg/ml |
| Formulation | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA |
| Storage | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

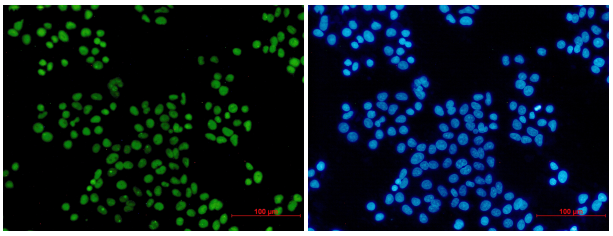
## Application Details

WB: 1/1000 IHC: 1/20 ICC/IF: 1/50

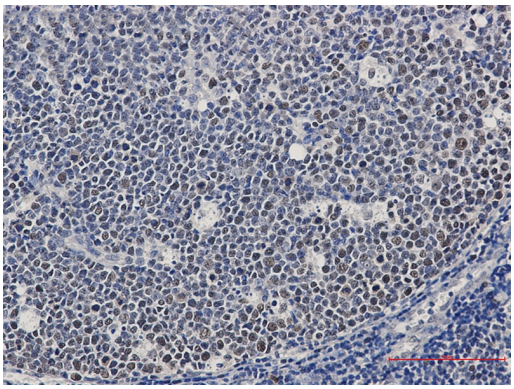
## Images




Western blot detection of MCM2 in Hela,A549,HL-60,U2OS cell lysates using MCM2 Rabbit mAb(1:1000 diluted).Predicted band size:102kDa.Observed band size:125kDa.



Immunocytochemistry of MCM2 (green) in hela using MCM2 Rabbit mAb at dilution 1/5, and DAPI(blue)



Immunohistochemistry of MCM2 in paraffin-embedded Human tonsil using MCM2 Rabbit mAb at dilution 1/50

## Background

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. Required for the entry in S phase and for cell division. Plays a role in terminally differentiated hair cells development of the cochlea and induces cells apoptosis.

Note: This product is for in vitro research use only