

# MCM2 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP51335

### **Product Information**

ApplicationWBPrimary AccessionP49736ReactivityHumanHostRabbitClonalityPolyclonalCalculated MW125 KDa

### **Additional Information**

Other Names DNA replication licensing factor MCM2, Minichromosome maintenance

protein 2 homolog, Nuclear protein BM28, MCM2, BM28, CCNL1, CDCL1,

**KIAA0030** 

**Target/Specificity** KLH-conjugated synthetic peptide encompassing a sequence within the

N-term region of human MCM2. The exact sequence is proprietary.

**Dilution** WB~~ 1:4000

Format 0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

**Storage** Store at -20 °C.Stable for 12 months from date of receipt

#### **Protein Information**

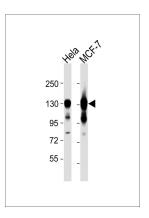
## **Background**

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.

#### References

Todorov I.T.,et al.J. Cell Sci. 107:253-265(1994). Nomura N.,et al.DNA Res. 1:27-35(1994). Mimura S.,et al.Submitted (MAR-1996) to the EMBL/GenBank/DDBJ databases. Kalnine N., et al. Submitted (AUG-2003) to the EMBL/GenBank/DDBJ databases. Mincheva A., et al. Cytogenet. Cell Genet. 65:276-277(1994).

## **Images**



All lanes: Anti-MCM2 Antibody at 1:4000 dilution Lane 1: Hela whole cell lysates Lane 2: MCF-7 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size: 102 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.