MCM2 / BM28 (A11) polyclonal antibody

Catalog: BCP01071 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The mini-chromosome maintenance (MCM) family of proteins, including MCM2, MCM3, MCM4 (Cdc21), MCM5 (Cdc46), MCM6 (Mis5) and MCM7 (Cdc47), are regulators of DNA replication that act to ensure replication occurs only once in the cell cycle. Expression of MCM proteins increases during cell growth, peaking at G1 to S phase. The MCM proteins each contain an ATPbinding motif, which is predicted to mediate ATP-dependent opening of doublestranded DNA. MCM proteins are regulated by E2F transcription factors, which induce MCM expression, and by protein kinases, which interact with MCM proteins to maintain the ostreplicative state of the cell. MCM2/MCM4 complexes function as substrates for Cdc2/cyclin B in vitro.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 102 kDa

Swiss-Prot:

P49736

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC/IF: 1:50~1:200

IP: 1:10~1:100

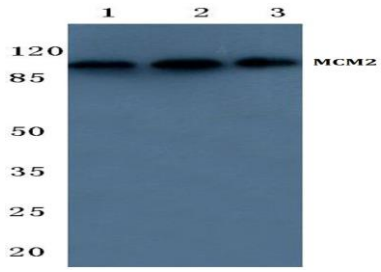
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

MCM2 (A11) polyclonal antibody detects endogenous levels of MCM2 protein.

DATA:



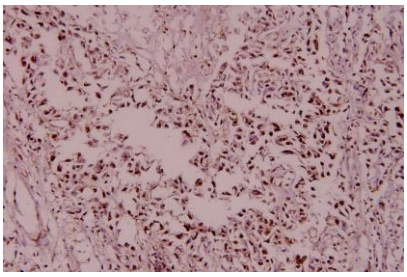
Western blot (WB) analysis of BM28 / MCM2 (A11) pAb at 1:500 dilution

Lane1:SK-OVCAR3 whole cell lysate(40ug)

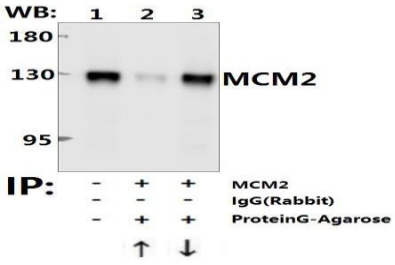
Lane2:HCT116 whole cell lysate(40ug)

Lane3:CT26 whole cell lysate(40ug)

Lane4:The Testis tissue lysate of Rat(40ug)



Immunohistochemistry (IHC) analyzes of MCM2 / BM28 (A11) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.



Immunoprecipitation of HEK293T cell lysate using MCM2 / BM28 (A11) pAb (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3) .Lane 1 is 30% input. The western blot was probed using MCM2 / BM28 (A11) . “↑”（supernatant）; “↓(deposition）

Note:

For research use only, not for use in diagnostic procedure.