

RPA1 monoclonal antibody

Catalog: MB0164

Host: Mouse

Reactivity: Human, Mouse, Rat, Monkey

Background:

Plays an essential role in several cellular processes in DNA metabolism including replication, recombination and DNA repair. Binds and subsequently stabilizes single-stranded DNA intermediates and thus prevents complementary DNA from reannealing. Functions as component of the alternative replication protein A complex (aRPA). aRPA binds single-stranded DNA and probably plays a role in DNA repair; it does not support chromosomal DNA replication and cell cycle progression through S-phase. In vitro, aRPA cannot promote efficient priming by DNA polymerase alpha but supports DNA polymerase delta synthesis in the presence of PCNA and replication factor C (RFC), the dual incision/excision reaction of nucleotide excision repair and RAD51-dependent strand exchange.

Product:

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

Molecular Weight:

Predicted band size: 70KDa

Observed band size: 70KDa

Swiss-Prot:

P27694

Purification&Purity:

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

Applications:

WB: 1:1000 ICC: 1:100~300 IP: 1:50~100

Storage&Stability:

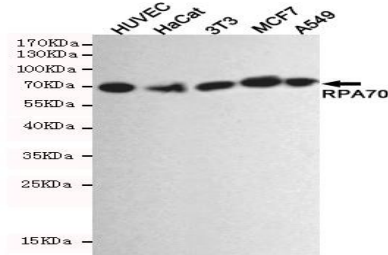
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

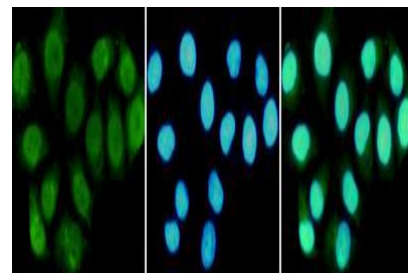
This antibody detects endogenous levels of RPA1 and

does not cross-react with related proteins

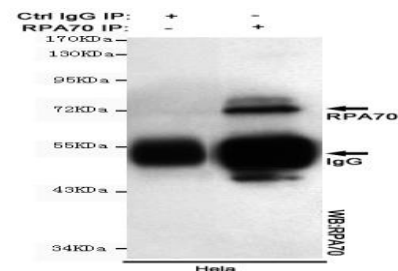
DATA:



Western blot detection of RPA1 in HUVEC, HaCat, 3T3, MCF7 and A549 cell lysates using RPA1 mouse mAb (1:2000 diluted).



Immunocytochemistry staining of HeLa cells fixed in 1% Paraformaldehyde and using RPA1 mouse mAb (dilution 1:100).



Immunoprecipitation analysis of HeLa cell lysates using RPA1 mouse mAb.

Note:

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

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