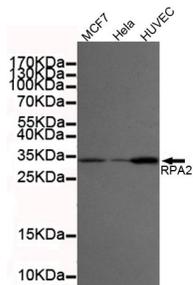




RPA2

Mouse monoclonal Antibody

#53346

Catalog Number: 53346**Amount:** 100µg/100µl**Swiss-Prot No. :** P15927**Gene name:** rpa2**Gene id:** 6118**Clone Number:** 3E7-B5-F2**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human RPA2 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of RPA2 and does not cross-react with related proteins**Reactivity:** Human**Applications:** Predicted MW: 32kd WB: 1:2000 ICC:1:200

Western blot detection of RPA32/RPA2 in MCF7, HeLa and HUVEC cell lysates using RPA32/RPA2 mouse mAb (1:2000 diluted). Predicted band size: 32KDa. Observed band size: 32KDa. Exposure time: 20s.

Background:

Required for DNA recombination, repair and replication. The activity of RP-A is mediated by single-stranded DNA binding and protein interactions. Required for the efficient recruitment of the DNA double-strand break repair factor RAD51 to chromatin in response to DNA damage. 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.