

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

RPA32 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56216

Size: 100 ug Protein G-purified antibody in PBS, pH 7.4

SPECIFICATION SUMMARY

Antigen: N-terminally 6x-His tagged fusion protein corresponding to full-length human RPA32 expressed in *E. coli*.

Host Species: Mouse

Antibody Class: IgG2a/ κ

Stabilizers: None

Preservatives: None. Available on request.

SPECIFICITY

This antibody recognizes human and mouse RPA32. RPA (Replication Protein A) is a single-stranded DNA binding protein. Human RPA is a heterotrimeric protein containing subunits of 70, 32, and 14 kD. This protein complex is highly conserved in eukaryotes and is essential in DNA replication, homologous recombination, and nucleotide excision repair. RPA32 is phosphorylated during the S-phase of the cell cycle, in response to DNA damage, and during apoptosis of Jurkat T-lymphocytes.

APPLICATIONS

Immunoblotting, immunoprecipitation: use at 0.2-1 ug/ml.

Positive control: HeLa, Raji, and 3T3 cells and recombinant protein.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -70°C . Avoid multiple freeze-thaw cycles.

REFERENCES

Iftode, C et al. 1999. Crit Rev Biochem Mol Biol 34: 141-180; Bochkarev, A et al. 1999. EMBO 18: 4498-4504; Dong, J et al. 1999. Biochem J 337: 311-317; Sibenaller, ZA et al. 1998. Biochemistry 37: 12496-12506; Stigger, E et al. 1998. J Biol Chem 273: 9337-9343; Bochkareva, E et al. 1998. J Biol Chem 273: 3932-3936.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.