

RPA4 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18746b**Specification****RPA4 Antibody (C-term) Blocking Peptide -
Product Information**Primary Accession [O13156](#)**RPA4 Antibody (C-term) Blocking Peptide -
Additional Information**

Gene ID 29935

Other NamesReplication protein A 30 kDa subunit, RP-A
p30, Replication factor A protein 4, RF-A
protein 4, RPA4**Format**Peptides are lyophilized in a solid powder
format. Peptides can be reconstituted in
solution using the appropriate buffer as
needed.**Storage**Maintain refrigerated at 2-8°C for up to 6
months. For long term storage store at
-20°C.**Precautions**This product is for research use only. Not
for use in diagnostic or therapeutic
procedures.**RPA4 Antibody (C-term) Blocking Peptide -
Protein Information**

Name RPA4

FunctionAs part of the alternative replication protein
A complex, aRPA, binds single-stranded
DNA and probably plays a role in DNA
repair. Compared to the RPA2-containing,
canonical RPA complex, may not support
chromosomal DNA replication and cell cycle
progression through S-phase. The aRPA
may not promote efficient priming by DNA
polymerase alpha but could support DNA**RPA4 Antibody (C-term) Blocking Peptide -
Background**

This gene encodes a single-stranded
DNA-binding protein that is the 30-kDa subunit
of the replication protein A complex. Replication
protein A is an essential factor for DNA
double-strand break repair and cell cycle
checkpoint activation. The encoded protein
localizes to DNA repair foci and may be
involved in the cellular DNA damage response.
This protein may also play a role in inhibiting
viral replication.

**RPA4 Antibody (C-term) Blocking Peptide -
References**

Kemp, M.G., et al. J. Biol. Chem.
285(7):4788-4797(2010) Guey, L.T., et al. Eur.
Urol. 57(2):283-292(2010) Haring, S.J., et al.
Nucleic Acids Res. 38(3):846-858(2010) Shen,
M., et al. Environ. Mol. Mutagen.
50(4):285-290(2009) Mason, A.C., et al. J. Biol.
Chem. 284(8):5324-5331(2009)

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.

Cellular Location

Nucleus. Note=Localizes to DNA repair foci after DNA damage

Tissue Location

Preferentially expressed in placental and colon mucosa. Widely expressed at intermediate or lower levels

RPA4 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)