

RPA4 polyclonal antibody

Catalog: BS60574

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The single-stranded-DNA-binding proteins (SSBs) are essential for DNA function in prokaryotic and eukaryotic cells, mitochondria, phages and viruses. Replication protein A (RPA), a highly conserved eukaryotic protein, is a heterotrimeric SSB consisting of three subunits that play an important role in DNA replication, recombination and repair. RPA is one of the major damage- recognition structures involved in the early stage of nucleotide excision repair and may function in telomere maintenance. The binding of human RPA (hRPA) to DNA involves molecular polarity, in which initial hRPA binding occurs on the 5' side of a ssDNA substrate and then extends in the 3' direction to create a stably bound hRPA. Widely expressed at low to intermediate levels, RPA 34 kDa subunit, which is also known as RPA4 (replication factor A protein 4), contains 261 amino acids, localizes to nucleus and is preferentially expressed in mucosa of colon and placenta.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 29 kDa

Swiss-Prot:

Q13156

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

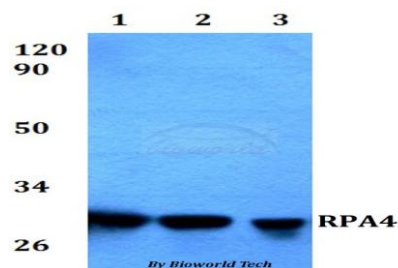
Storage&Stability:

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

Specificity:

RPA4 polyclonal antibody detects endogenous levels of RPA4 protein.

DATA:



Western blot (WB) analysis of RPA4 polyclonal antibody at 1:500 dilution

Lane1: HEK293T whole cell lysate

Lane2: Raw264.7 whole cell lysate

Lane3: PC12 whole cell lysate

Note:

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

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