

### 36-3116: Anti-Replication Protein A2 (RPA2) Monoclonal Antibody(Clone: SPM316)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	SPM316
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	RPA2
<b>Gene ID :</b>	6118
<b>Uniprot ID :</b>	P15927
<b>Alternative Name :</b>	p32; p34; REPA2; Replication protein A 32kDa subunit; Replication protein A 34kDa subunit; Replication protein A2; RF-A protein 2; Rf-A2; RFA; RP-A p32; RP-A p34; RP21C; RPA32; RPA34; RpLP1; RpP2
<b>Isotype :</b>	Mouse IgG2b, kappa
<b>Immunogen Information :</b>	Recombinant human full-length Replication protein A2 (RPA2) protein

#### Description

Recognizes a protein of 34kDa, identified as a subunit of Replication Protein A (RPA) (also known as human single-stranded DNA binding protein, or HSSB). RPA from human cells is a stable heterotrimer of 70kDa, 32-34kDa, and 11-14kDa subunits (RPA70, RPA32, and RPA14 respectively). It is involved in DNA replication, repair, and recombination. RPA is required for the SV40 large tumor antigen-catalyzed unwinding of SV40 DNA and stimulates DNA polymerase (pol) alpha and delta. RPA34 is phosphorylated at the G1/S boundary of the cell cycle or upon exposure of cells to DNA damage-inducing agents including ionizing and UV radiation.

#### Product Info

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
<b>Storage condition :</b>	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

#### Application Note

Western Blot (1-2ug/ml);

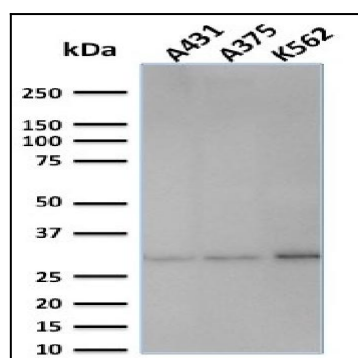


Fig. 1: Western Blot Analysis of human A431, A375, and K562 cell lysate using Replication Protein A2 Mouse Monoclonal Antibody (SPM316).