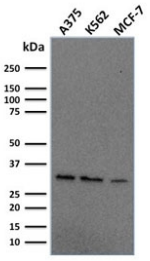
RPA32 Antibody / Replication Protein A2 [clone RPA2/2106] (V7341)

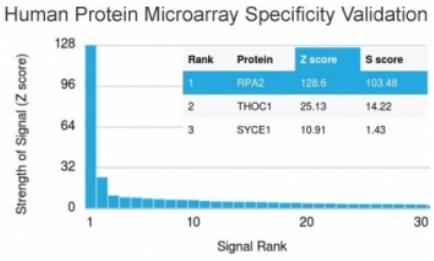
Catalog No.	Formulation	Size
V7341-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7341-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7341SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	RPA2/2106
Purity	Protein G affinity chromatography
UniProt	P15927
Localization	Nuclear
Applications	Western blot: 1-2ug/ml
Limitations	This RPA32 antibody is available for research use only.



Western blot testing of human A375, K562 and MCF7 cell lysate with RPA32 antibody. Expected molecular weight ~32 kDa.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using RPA32 antibody (clone RPA2/2106). These results demonstrate the foremost specificity of the RPA2/2106 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

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.

Application Notes

Optimal dilution of the RPA32 antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Full length recombinant human protein was used as the immunogen for this RPA32 antibody.

Storage

Store the RPA32 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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