Replication Protein A2 (RPA2) Antibody

Mouse Monoclonal Antibody [Clone RPA2/2106]

Catalog No	Format	Size
6118-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6118-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6118-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

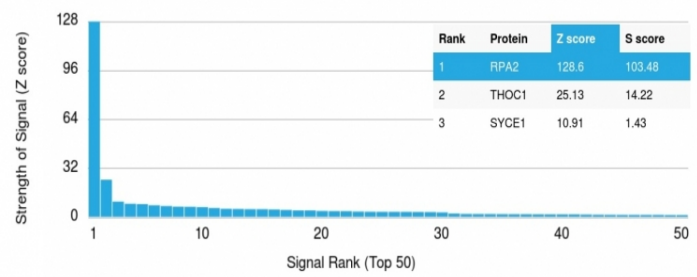
Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details

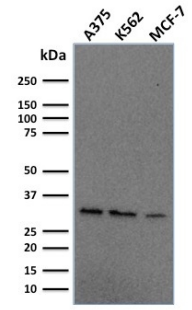
Clone	RPA2/2106
Gene Name	RPA2
Immunogen	Recombinant human full-length Replication protein A2 (RPA2) protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	32-34kDa
Cellular Localization	Nucleus, PML body
Species Reactivity	Human
Positive Control	HeLa or HepG2 cells. Human tonsil (IHC)., MCF-7

**Optimal dilution for a specific application should be determined.*

Product Images for Replication Protein A2 (RPA2) Antibody



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing Replication Protein A2 Mouse Monoclonal Antibody (RPA2/2106). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western blot analysis of human A375, K562 & MCF-7 cell lysates using Replication Protein A2 Mouse Monoclonal Antibody (RPA2/2106).

Specificity & Comments

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.

Supplied As

200ug/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.

Storage and Stability

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. No MSDS required.

Research Areas

Infectious Disease, Nuclear Marker, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.