SET Antibody

Mouse Monoclonal Antibody [Clone PCRP-SET-1C6]

Catalog No	Format	Size
6418-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6418-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6418-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

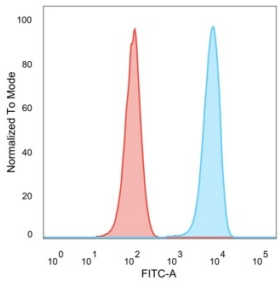
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

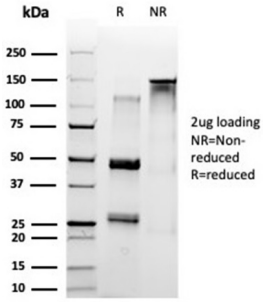
Clone	PCRP-SET-1C6
Gene Name	SET
Immunogen	Recombinant full-length human SET protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	39kDa
Cellular Localization	Cytoplasm, Cytosol, Endoplasmic reticulum, Nucleoplasm, Nucleus
Species Reactivity	Human
Positive Control	HeLa or HepG2 cells.

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

Product Images for SET Antibody



Flow cytometric analysis of PFA-fixed HeLa cells. SET Mouse Monoclonal Antibody (PCRP-SET-1C6) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

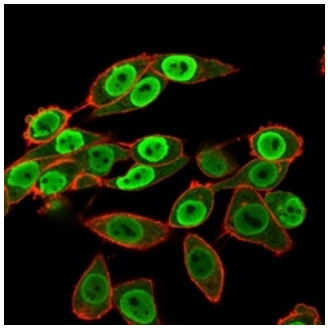


SDS-PAGE Analysis of Purified SET Mouse Monoclonal Antibody (PCRP-SET-1C6). Confirmation of Purity and Integrity of Antibody.



Rank	Protein	Z score	S score
1	SET	53.09	14.52
2	SET	38.57	5.22
3	TADA1	33.36	7.91

Analysis of Protein Array containing more than 19,000 full-length human proteinsusing SET Mouse Monoclonal Antibody (PCRP-SET-1C6). 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.



Immunofluorescence Analysis of HeLa cells using SET Mouse Monoclonal Antibody (PCRP-SET-1C6) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).

Specificity & Comments

Protein phosphatase 2A (PP2A) is a major mammalian protein serine/threonine phosphatase that regulates diverse cellular processes. Inhibitor 1 of PP2A (I1PP2A) and inhibitor 2 of PP2A (I2PP2A), which share large sequence similarity, are heat-stable protein inhibitors of the cellular phosphatase activity of PP2A. I1PP2A and I2PP2A were initially characterized as putative HLA class II associated proteins Phap I and Phap II. These inhibitor proteins act noncompetitively to selectively inhibit PP2A, but do not affect the phosphatase activity of the related proteins PP1, PP2B and PP2C. The I1PP2A protein is localized to both the cytoplasm and the nucleus. In contrast, I2PP2A is located predominantly in the nucleus and is highly expressed in Wilms tumor cells. Transient expression of I2PP2A in HEK-293 cells leads to an increase in the DNA binding activity of the proto-oncogene c-Jun.

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

Nuclear Marker

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.