HIC2 (Hypermethylated in cancer 2) (Transcriptional Repressor) Antibody

Mouse Monoclonal Antibody [Clone PCRP-HIC2-1B1]

Catalog No	Format	Size
23119-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
23119-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
23119-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

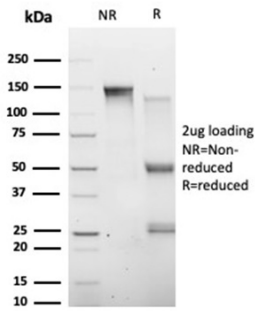
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

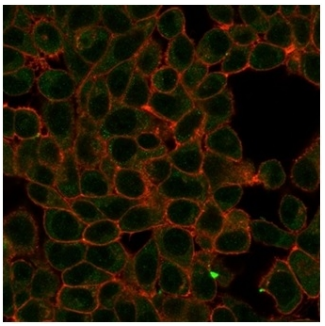
Clone	PCRP-HIC2-1B1
Gene Name	HIC2
Immunogen	Recombinant full-length human HIC2protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	66.1kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa cells.

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

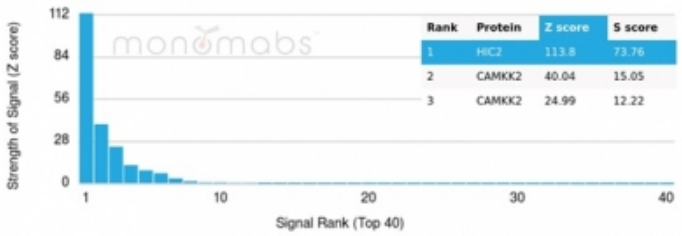
Product Images for HIC2 (Hypermethylated in cancer 2) (Transcriptional Repressor) Antibody



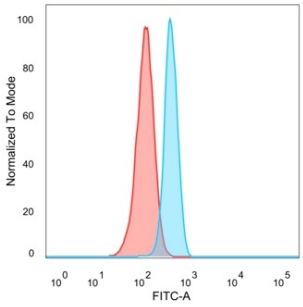
SDS-PAGE Analysis Purified HIC2 Mouse Monoclonal Antibody (PCRP-HIC2-1B1). Confirmation of Purity and Integrity of Antibody.



Immunofluorescence Analysis of PFA-fixed HeLa cells stained using HIC2 Mouse Monoclonal Antibody (PCRP-HIC2-1B1) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing HIC2-Monospecific Mouse Monoclonal Antibody (PCRP-HIC2-1B1). 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.



Flow cytometric analysis of PFA-fixed HeLa cells. HIC2 Mouse Monoclonal Antibody (PCRP-HIC2-1B1) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

Specificity & Comments

HIC2 (HIC ZBTB Transcriptional Repressor 2) is a Protein Coding gene. Diseases associated with HIC2 include Orofaciodigital Syndrome X and Simpson-Golabi-Behmel Syndrome, Type 1. HIC2 contains 5 C2H2-type zinc fingers and 1 BTB (POZ) domain. It belongs to the krueppel C2H2-type zinc-finger protein family, Hic subfamily and is a transcriptional repressor. It is a transcription activator of SIRT1.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% 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

Cardiovascular

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.