CTBP2 (C-terminal binding protein 2) Antibody

Mouse Monoclonal Antibody [Clone PCRP-CTBP2-1A9]

Catalog No	Format	Size
1488-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1488-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1488-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

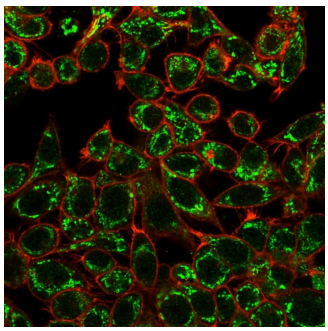
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

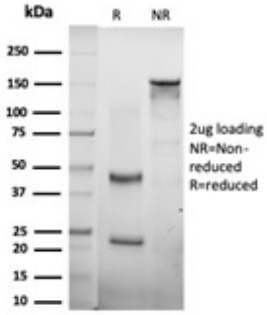
Clone	PCRP-CTBP2-1A9
Gene Name	CTBP2
Immunogen	Recombinant full-length human CTBP2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	95.2kDa
Cellular Localization	Cell junction, Nucleus, Synapse
Species Reactivity	Human
Positive Control	Molt-4 or HeLa cells.

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

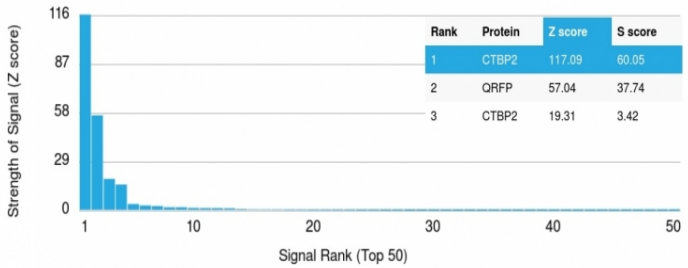
Product Images for CTBP2 (C-terminal binding protein 2) Antibody



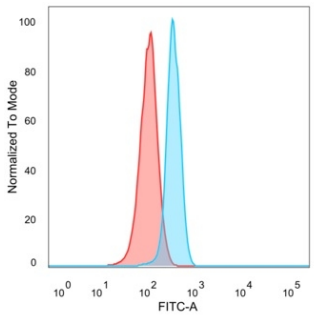
Immunofluorescence Analysis of HeLa cells using CTBP2 Mouse Monoclonal Antibody (PCRP-CTBP2-1A9) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



SDS-PAGE Analysis of Purified CTBP2 Mouse Monoclonal Antibody (PCRP-CTBP2-1A9). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing CTBP2 Mouse Monoclonal Antibody (PCRP-CTBP2-1A9). 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. CTBP2 Mouse Monoclonal Antibody (PCRP-CTBP2-1A9) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

The gene CTBP2 (C-terminal binding protein 2) encodes a member of the CtBP-family. The gene is mapped to human chromosome 21q21.3. It is found to be expressed ubiquitously, with higher expression in the heart, skeletal muscle, and pancreas. The gene CTBP2 (C-terminal binding protein 2) encodes a protein that functions as a transcriptional co-repressor of several tumor suppressor genes resulting in enhanced cancer cell migration and invasion. Its expression is found to be upregulated in hepatocellular carcinoma (HCC). It may be a potential prognostic marker for post liver resection HCC. It is involved in several types of tumor initiation, progression and response to therapy. It is found to interact with the C-terminal region of adenovirus type 2/5 E1A protein, a region that negatively regulates tumorigenicity and the extent of oncogenic transformation.

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

Cardiovascular, Infectious Disease, Signal Transduction

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.