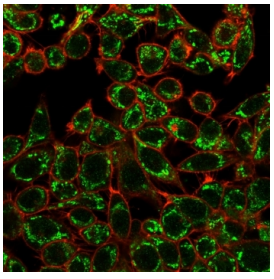
CTBP2 Antibody / C-terminal-binding protein 2 [clone PCRP-CTBP2-1A9] (V9175)

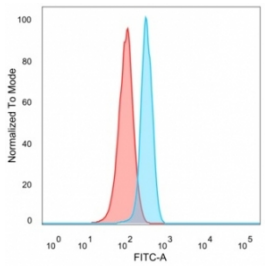
Catalog No.	Formulation	Size
V9175-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9175-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9175SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

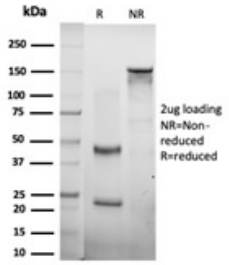
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-CTBP2-1A9
Purity	Protein A/G affinity
UniProt	P56545
Localization	Nucleus, Cell junction
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This CTBP2 antibody is available for research use only.



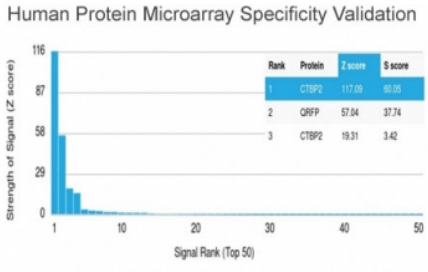
Immunofluorescent staining of human HeLa cells using CTBP2 antibody (green, clone PCRP-CTBP2-1A9) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with CTBP2 antibody (blue, clone PCRP-CTBP2-1A9), and unstained cells (red).



SDS-PAGE analysis of purified, BSA-free CTBP2 antibody (PCRP-CTBP2-1A9) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using CTBP2 antibody (clone PCRP-CTBP2-1A9). These results demonstrate the foremost specificity of the PCRP-CTBP2-1A9 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

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.

Application Notes

Optimal dilution of the CTBP2 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human CTBP2 protein was used as the immunogen for the CTBP2 antibody.

Storage

Aliquot the CTBP2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.