

KIAA1967 / DBC1 / CCAR2 Antibody

Mouse Monoclonal Antibody [Clone PCR-P-KIAA1967-1D10]

Catalog No	Format	Size
57805-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
57805-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
57805-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

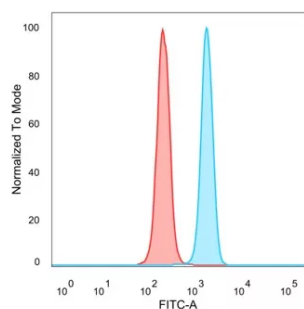
Applications	Tested Dilution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

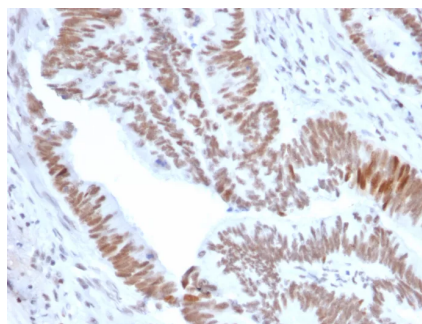
Clone	PCR-P-KIAA1967-1D10
Gene Name	CCAR2
Immunogen	Recombinant full-length human CCAR2 / KIAA1967 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	102.9kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Expressed ubiquitously in normal tissues. Expressed in 84 to 100% of neoplastic breast, lung, and colon tissues.

*Optimal dilution for a specific application should be determined.

Product Images for KIAA1967 / DBC1 / CCAR2 Antibody



Flow Cytometric Analysis of PFA-fixed HeLa cells. KIAA1967 Mouse Monoclonal Antibody (PCR-P-KIAA1967-1D10) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Formalin-fixed, paraffin-embedded human colon tumor stained with KIAA1967 Mouse Monoclonal Antibody (PCR-P-KIAA1967-1D10). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



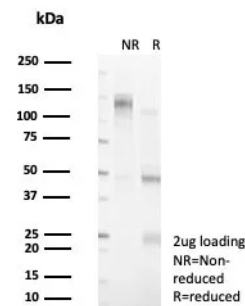
Analysis of Protein Array containing more than 19,000 full-length human proteins using KIAA1967 Mouse Monoclonal Antibody (PCR-KIAA1967-1D10). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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 HuProt™ 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 be 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.

Specificity & Comments

DBC-1 (deleted in breast cancer gene 1 protein), also known as p30 DBC protein, is one of the genes located within the region of chromosome 8p21.3 that is homozygously deleted in some breast cancers. DBC-1 contains a nuclear localization signal, an N-terminal leucine zipper, an EF hand and a C-terminal coiled-coil region. DBC-1 is closely related to DIS but lacks the SAP domain. During death signaling mediated by TNF α , endogenous DBC-1 undergoes caspase-dependent processing to generate DBC-1 p120 and p66, both of which include the C-terminus of the protein. Both DBC-1 p120 and p66 relocate to the cytoplasm. Overexpression of the DBC-1 p120 form results in mitochondrial clustering and matrix condensation and increases the sensitivity of cells to TNF α -mediated apoptosis. In addition, DBC-1 directly interacts with unliganded ER α , stabilizing its expression and therefore collaborating to suppress apoptosis and promote hormone-independent cell growth.

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.



SDS-PAGE Analysis of Purified KIAA1967 Mouse Monoclonal Antibody (PCR-KIAA1967-1D10). Confirmation of Purity and Integrity of Antibody.

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

Apoptosis, Autophagy, Cardiovascular, Nuclear Marker