DRAP1 / NC2 alpha Antibody

Mouse Monoclonal Antibody [Clone PCRP-DRAP1-1A8]

Catalog No	Format	Size
10589-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
10589-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
10589-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

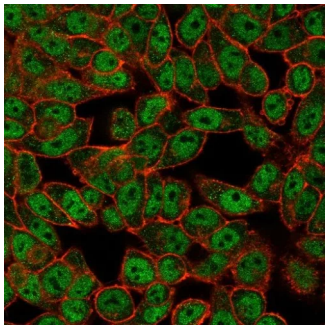
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

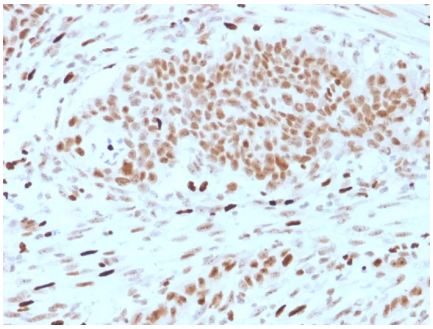
Clone	PCRP-DRAP1-1A8
Gene Name	DRAP1
Immunogen	Recombinant human DRAP1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	22.35Da
Cellular Localization	Nucleus. Cytoplasm.
Species Reactivity	Human
Positive Control	HeLa or MCF-7 cells. Human brain|testis or smooth muscle.

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

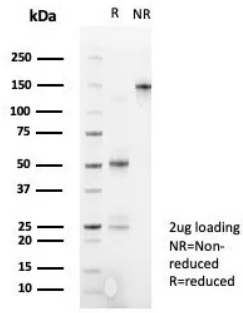
Product Images for DRAP1 / NC2 alpha Antibody



Immunofluorescence Analysis of PFA-fixed HeLa cells stained using DRAP1 Mouse Monoclonal Antibody (PCRP-DRAP1-1A8) followed by goat anti-mouse IgG-CF488 (green). CF640R phalloidin (red).



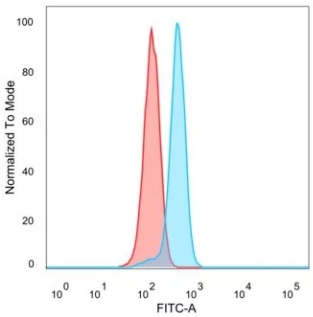
Formalin-fixed, paraffin-embedded human breast stained with DRAP1 Mouse Monoclonal Antibody (PCRP-DRAP1-1A8). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified DRAP1 Mouse Monoclonal Antibody (PCRP-DRAP1-1A8). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing DRAP1 Mouse Monoclonal Antibody (PCRP-DRAP1-1A8). 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. DRAP1 Mouse Monoclonal Antibody (PCRP-DRAP1-1A8) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

NC2 (negative cofactor 2) is a dimeric histone-fold complex that represses RNA polymerase II transcription through binding to TBP and inhibiting the transcription factors TFIIA and TFIIB. NC2 consists of two subunits, termed NC2a and NC2?, and these subunits dimerize and bind to TBP-promoter complexes via histone fold domains of the H2A-H2B type. NC2 associates with promoters in a manner that correlates with transcriptional activity and with occupancy by basal transcription factors. NC2 binds directly to DNA, and the binding of NC2 to TBP-promoter complexes affects the conformation of DNA, and results in the inhibition of TFIIB.

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

Developmental Biology, 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.

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