

SNAPC4 Antibody

Mouse Monoclonal Antibody [Clone PCRP-SNAPC4-3A7]

Catalog No	Format	Size
6621-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6621-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6621-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

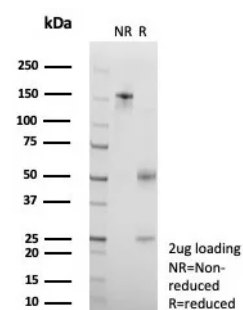
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

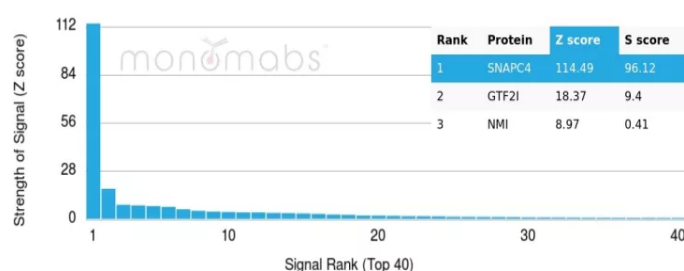
Clone	PCRP-SNAPC4-3A7
Gene Name	SNAPC4
Immunogen	Recombinant full-length human SNAPC4 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	200kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	Human tonsil. HeLa or HDLM-2 cells.

*Optimal dilution for a specific application should be determined.

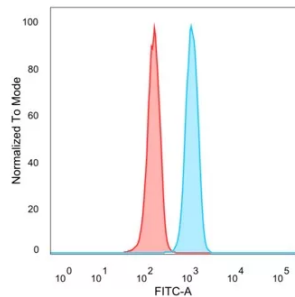
Product Images for SNAPC4 Antibody



SDS-PAGE Analysis of Purified SNAPC4 Mouse Monoclonal Antibody (PCRP-SNAPC4-3A7). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteins using SNAPC4 Mouse Monoclonal (PCRP-SNAPC4-3A7). 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 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. SNAPC4 Mouse Monoclonal Antibody (PCRP-SNAPC4-3A7) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

TATA-box binding protein (TBP) interactions with TBP-associated factors (TAFs) are required for the transcription of RNA polymerases. One particular TBP-TAF complex, snRNA-activating protein complex (SNAPC), is unusual in that it regulates basal transcription of both RNA polymerase II and III by binding specifically to a non-TATA-box proximal sequence element (PSE). SNAPC consists of five subunits of varying size. SNAPC binds to Oct-1 and TBP, which are activators of snRNA and RNA polymerases, respectively. The POU domain of Oct-1 binds to SNAPC 190 and effectively recruits SNAPC to the PSE. The cooperative binding of SNAPC and Oct-1 to their respective sequence elements is mediated by a nucleosome positioned between the two sequence elements. SNAPC 19 mediates the assembly of the subunits to form a functional SNAPC transcription regulator. SNAPC 50 (also designated PTF?) contains two zinc finger motifs and binds to SNAPC 43 (also designated PTF?) but not SNAPC 45 (PTF?).

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.

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

Nuclear Marker, Transcription Factors