

ZNF704 / Zinc finger protein 704 Antibody

Mouse Monoclonal Antibody [Clone PCR-P-ZNF704-3C10]

Catalog No	Format	Size
619279-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
619279-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
619279-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

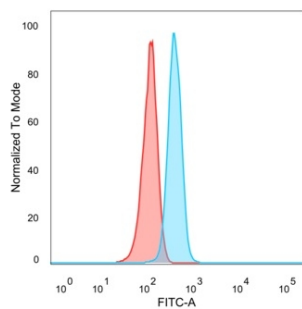
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

Product Details

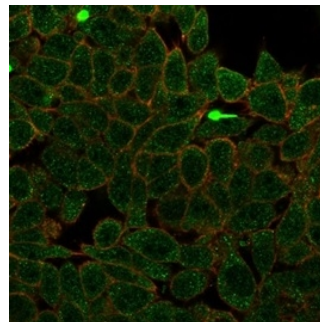
Clone	PCR-P-ZNF704-3C10
Gene Name	ZNF704
Immunogen	Recombinant full-length human ZNF704 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c
Mol. Weight of Antigen	45.2kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Human small intestine, prostate or ovary.

*Optimal dilution for a specific application should be determined.

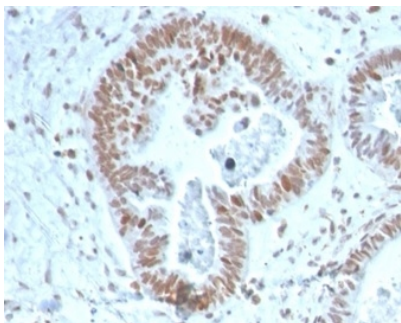
Product Images for ZNF704 / Zinc finger protein 704 Antibody



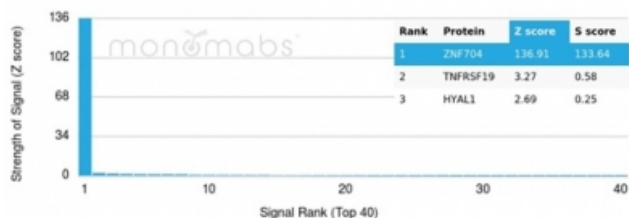
Flow cytometric analysis of PFA-fixed HeLa cells. ZNF704 Mouse Monoclonal Antibody (PCR-P-ZNF704-3C10) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



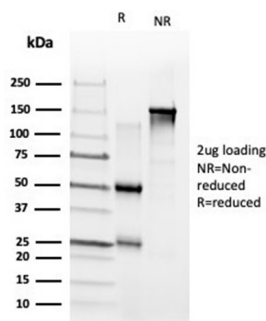
Immunofluorescence Analysis of PFA-fixed HeLa cells stained using ZNF704 Mouse Monoclonal Antibody (PCR-P-ZNF704-3C10) followed by goat anti-mouse IgG-CF488 (green). CF640 phalloidin (red).



Formalin-fixed, paraffin-embedded human prostate carcinoma stained with ZNF704 Mouse Monoclonal Antibody (PCRP-ZNF704-3C10). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



Analysis of Protein Array containing more than 19,000 full-length human proteins using ZNF704-Monospecific Mouse Monoclonal Antibody (PCRP-ZNF704-3C10). 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.



SDS-PAGE Analysis Purified ZNF704 Mouse Monoclonal Antibody (PCRP-ZNF704-3C10). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Kr ppeI-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. As a member of the Kr ppeI C2H2-type zinc-finger protein family, ZNF704 (zinc finger protein 704) is a 412 amino acid nuclear protein that contains one C2H2-type zinc finger. The gene encoding ZNF704 maps to human chromosome 8, which is made up of nearly 146 million bases and encodes about 800 genes. Chromosome 8 is also associated with Pfeiffer syndrome, congenital hypothyroidism and Waardenburg syndrome.

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