NFIA / NF1A (Nuclear Factor 1A) (Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone PCRP-NFIA-2C6]

Catalog No	Format	Size
4774-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4774-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4774-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

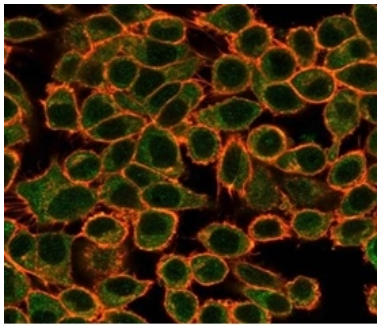
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

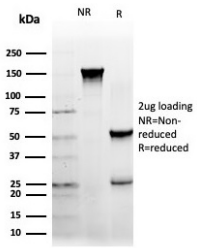
Clone	PCRP-NFIA-2C6
Gene Name	NEUROD2
Immunogen	Recombinant fragment of human NFIA protein corresponding to protein domain
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c / Kappa
Mol. Weight of Antigen	55kDa
Cellular Localization	Nucleus
Species Reactivity	Human, Mouse, Rat
Positive Control	Colon, HeLa cells. Human fetal gut, liver or heart.

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

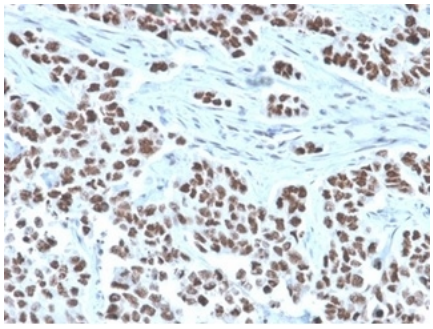
Product Images for NFIA / NF1A (Nuclear Factor 1A) (Transcription Factor) Antibody



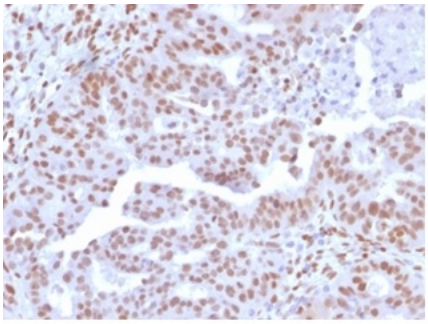
Immunofluorescence Analysis of PFA-fixed HeLa cells stained using NFIA Mouse Monoclonal Antibody (PCRP-NFIA-2C6) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



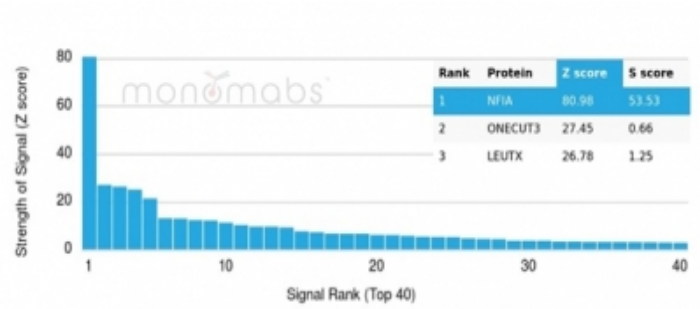
SDS-PAGE Analysis Purified NFIA Mouse Monoclonal Antibody (PCRP-NFIA-2C6). Confirmation of Integrity and Purity of Antibody.



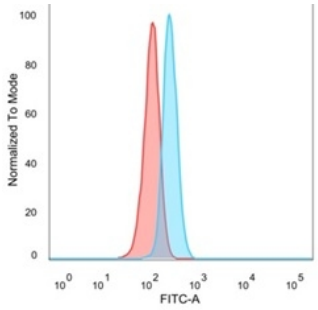
Formalin-fixed, paraffin-embedded human lung stained with NFIA Mouse Monoclonal Antibody (PCRP-NFIA-2C6). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



Formalin-fixed, paraffin-embedded human colon carcinoma stained with NFIA Mouse Monoclonal Antibody (PCRP-NFIA-2C6). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing NFIA Mouse Monoclonal Antibody (PCRP-NFIA-2C6). 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. NFIA Mouse Monoclonal Antibody (PCRP-NFIA-2C6) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

Specificity & Comments

NF-1, also designated CTF, consists of a family of CCAAT-box-binding proteins that stimulate DNA replication and activate transcription. Analysis of human NF-1 messenger RNA has revealed two forms of the NF-1 protein arising from an alternate splicing of a single NF-1 gene. NF-1 binds its consensus DNA element as a homodimer via an amino-terminal DNA-binding domain, and activates transcription through a putatively novel, proline-rich, carboxy-terminal transactivation domain. The NF-1 protein has been shown to recognize and bind the adenovirus type 2 promoter and activate transcription of herpes simplex virus thymidine kinase genes. The NF-1 consensus element has been found in the upstream promoter region of myriad eukaryotic genes, including that of Ha-Ras, ?-globin, HSP 70, GRP 78, Histone H1, myelin basic protein and in the Xenopus laevis vitellogenin gene promoter.

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

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.