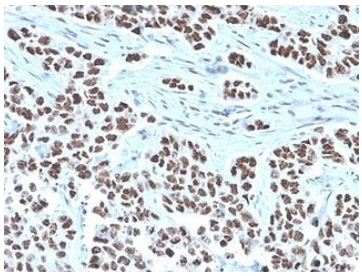
NFIA Antibody / Nuclear Factor 1 A [clone PCRP-NFIA-2C6] (V9686)

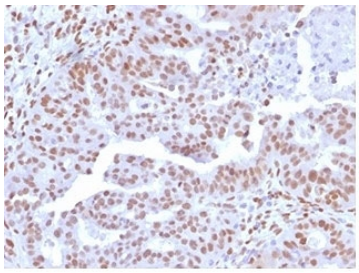
Catalog No.	Formulation	Size
V9686-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9686-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9686SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

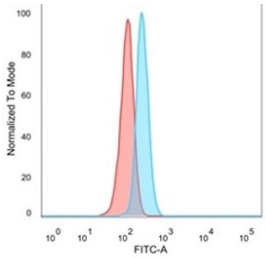
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2c
Clone Name	PCRP-NFIA-2C6
Purity	Protein A/G affinity
UniProt	Q12857
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This NFIA antibody is available for research use only.



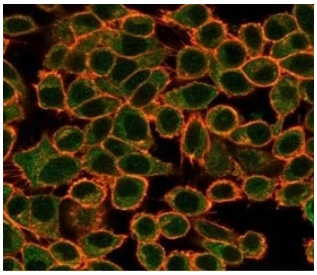
IHC staining of FFPE human lung tissue with NFIA antibody (clone PCRP-NFIA-2C6). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



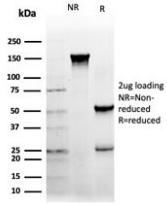
IHC staining of FFPE human colon carcinoma tissue with NFIA antibody (clone PCRP-NFIA-2C6). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



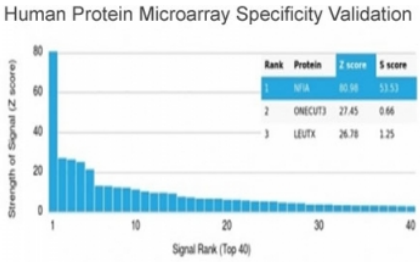
FACS staining of PFA-fixed human HeLa cells with NFIA antibody (blue, clone PCRP-NFIA-2C6) and isotype control (red).



Immunofluorescent staining of PFA-fixed human HeLa cells using NFIA antibody (green, clone PCRP-NFIA-2C6) and phalloidin (red).



SDS-PAGE analysis of purified, BSA-free NFIA antibody (clone PCRP-NFIA-2C6) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using NFIA antibody (clone PCRP-NFIA-2C6). These results demonstrate the foremost specificity of the PCRP-NFIA-2C6 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

Nuclear factor (NF) proteins are 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.

Application Notes

Optimal dilution of the NFIA antibody should be determined by the researcher.

Immunogen

A recombinant protein fragment was used as the immunogen for the NFIA antibody.

Storage

Aliquot the NFIA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.