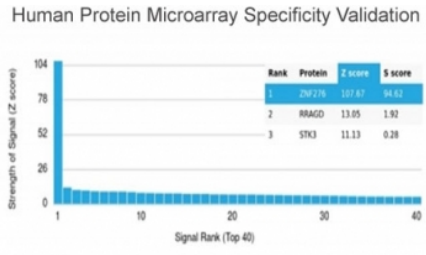
ZNF276 Antibody [clone PCRP-ZNF276-1A5] (V9746)

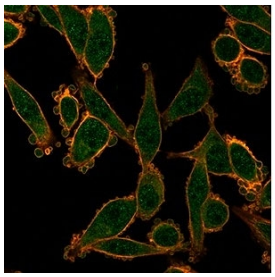
Catalog No.	Formulation	Size
V9746-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9746-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9746SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

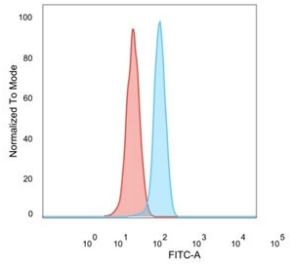
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-ZNF276-1A5
Purity	Protein A/G affinity
UniProt	Q8N554
Localization	Nucleus
Applications	ELISA (order BSA-free Format For Coating) : Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This ZNF276 antibody is available for research use only.



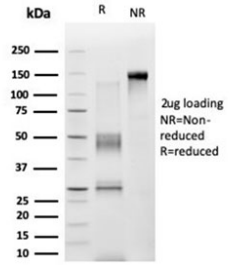
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ZNF276 antibody (clone PCRP-ZNF276-1A5). These results demonstrate the foremost specificity of the PCRP-ZNF276-1A5 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in 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.



Immunofluorescent staining of PFA-fixed human HeLa cells using ZNF276 antibody (green, clone PCRP-ZNF276-1A5) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with ZNF276 antibody (blue, clone PCRP-ZNF276-1A5), and unstained cells (red).



SDS-PAGE analysis of purified, BSA-free ZNF276 antibody (clone PCRP-ZNF276-1A5) as confirmation of integrity and purity.

Description

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. ZNF276 is a 614 amino acid protein containing five C2H2- type zinc fingers and one zinc finger associated (ZAD) domain. Due to a loss of heterozygosity at the chromosomal location of the gene encoding ZNF276 in sporadic breast cancers, the ZNF276 gene has been targeted as a possible breast cancer tumor suppressor. The FANCA gene, which encodes a DNA repair protein, is situated at the same chromosomal location as the ZNF276 gene, suggesting a possible involvement of ZNF276 in the progression of Fanconi anemia, an autosomal recessive disorder which is caused by mutations in the gene encoding FANCA. There are two isoforms of ZNF276 that exist as a result of an alternative splicing event.

Application Notes

Optimal dilution of the ZNF276 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human ZNF276 protein was used as the immunogen for the ZNF276 antibody.

Storage

Aliquot the ZNF276 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.