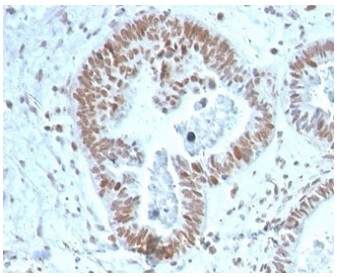
ZNF704 Antibody / Gig1 [clone PCRP-ZNF704-3C10] (V9728)

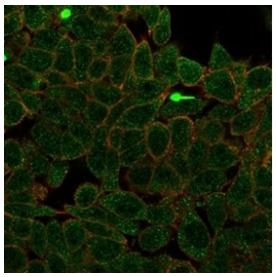
Catalog No.	Formulation	Size
V9728-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9728-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9728SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

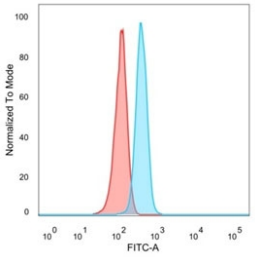
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2c
Clone Name	PCRP-ZNF704-3C10
Purity	Protein A/G affinity
UniProt	Q6ZNC4
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This ZNF704 antibody is available for research use only.



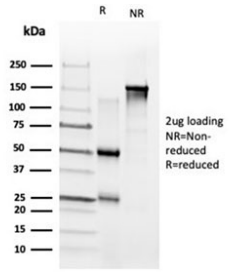
IHC staining of FFPE human prostate carcinoma tissue with ZNF704 antibody (clone PCRP-ZNF704-3C10). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



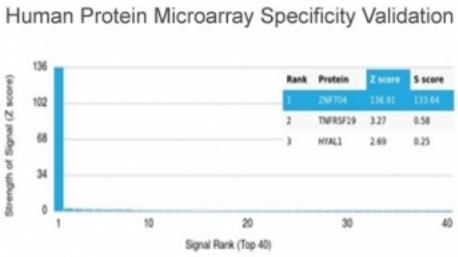
Immunofluorescent staining of PFA-fixed human HeLa cells using ZNF704 antibody (green, clone PCRP-ZNF704-3C10) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with ZNF704 antibody (blue, clone PCRP-ZNF704-3C10) and isotype control (red).



SDS-PAGE analysis of purified, BSA-free ZNF704 antibody (clone PCRP-ZNF704-3C10) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ZNF704 antibody (clone PCRP-ZNF704-3C10). These results demonstrate the foremost specificity of the PCRP-ZNF704-3C10 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

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 ppel-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 ppel 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.

Application Notes

Optimal dilution of the ZNF704 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human protein was used as the immunogen for the ZNF704 antibody.

Storage

Aliquot the ZNF704 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.