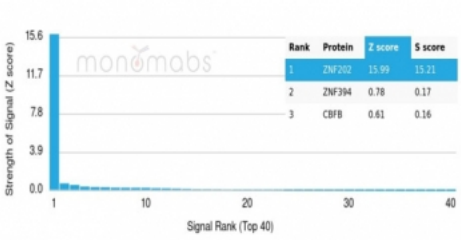
ZNF202 Antibody [clone PCRP-ZNF202-1C4] (V4215)

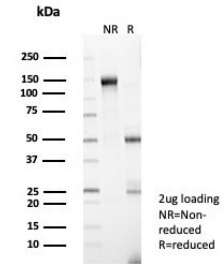
Catalog No.	Formulation	Size
V4215-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4215-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4215SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

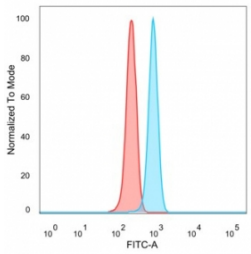
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	PCRP-ZNF202-1C4
Purity	Protein A/G affinity
UniProt	O95125
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells
Limitations	This ZNF202 antibody is available for research use only.



Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using ZNF202 antibody (clone PCRP-ZNF202-1C4). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) 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 targets on 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-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 of purified, BSA-free ZNF202 antibody (clone PCRP-ZNF202-1C4) as confirmation of integrity and purity.



Flow cytometry testing of PFA-fixed human HeLa cells with ZNF202 antibody (clone PCRP-ZNF202-1C4) followed by goat anti-mouse IgG-CF488 (blue); Red = unstained cells.

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. ZNF202 (zinc finger protein 202), also known as ZKSCAN10, is a 648 amino acid protein that contains eight C2H2-type zinc fingers, one KRAB domain and one SCAN box domain. Localized to the nucleus and expressed at high levels in the testis, ZNF202 belongs to the Kruppel C2H2-type zincfinger protein family and functions as a transcriptional repressor of genes that are involved in lipid metabolism. ZNF202 regulates the expression of several classes of proteins, including lipoprotein particles, transporters involved in lipid homeostasis, enzymes involved in lipid processing and a wide variety of proteins that are associated with energy metabolism. Defects in the gene encoding ZNF202 are associated with high cholesterol and may be involved in the pathogenesis of lung, ovarian and breast cancer. Two isoforms of ZNF202, designated a and b, exist due to alternative splicing events

Application Notes

Optimal dilution of the ZNF202 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein (within amino acids 37-132) from the human protein was used as the immunogen for the ZNF202 antibody.

Storage

Aliquot the ZNF202 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.