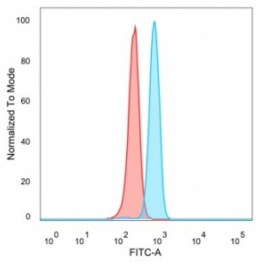
ZNF444 Antibody / ZSCAN17 [clone PCRP-ZNF444-1E11] (V4653)

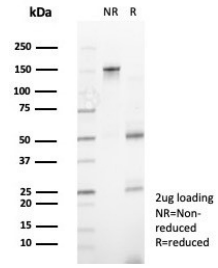
Catalog No.	Formulation	Size
V4653-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4653-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4653SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a
Clone Name	PCRP-ZNF444-1E11
Purity	Protein A/G affinity
UniProt	Q8N0Y2
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This ZNF444 antibody is available for research use only.



Flow cytometry testing of PFA-fixed human HeLa cells with ZNF444 antibody (clone PCRP-ZNF444-1E11) followed by goat anti-mouse IgG-CF488 (blue), Red = unstained cells.



SDS-PAGE analysis of purified, BSA-free ZNF444 antibody (clone PCRP-ZNF444-1E11) as confirmation of integrity and purity.

Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using ZNF444 antibody (clone PCRP-ZNF444-1E11). 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.

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. As a member of the Kruppel C2H2-type zinc finger protein family, ZNF444 (zinc finger protein 444), also known as EZF2 or zinc finger and SCAN domain-containing protein 17 (ZSCAN17), is a 327 amino acid transcriptional regulator. ZNF444 localizes to the nucleus and contains four C2H2-type zinc fingers and one SCAN domain. The SCAN domain is a highly conserved motif that is found near the N-terminus of a subfamily of C2H2 zinc finger proteins. The SCAN domain helps to mediate self-association or selective association with other proteins bearing the SCAN domain. Two isoforms of ZNF444 exist due to alternative splicing events.

Application Notes

Optimal dilution of the ZNF444 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 25-105) from the human protein was used as the immunogen for the ZNF444 antibody.

Storage

Aliquot the ZNF444 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.