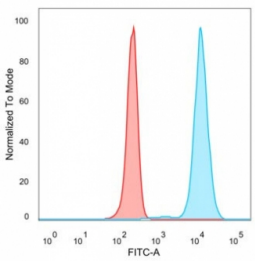
ZSCAN12 Antibody [clone PCRP-ZSCAN12-2B2] (V5153)

Catalog No.	Formulation	Size
V5153-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5153-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5153SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

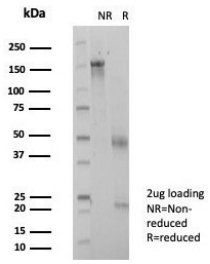
Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-ZSCAN12-2B2
Purity	Protein A/G affinity
UniProt	O43309
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This ZSCAN12 antibody is available for research use only.



Flow cytometry testing of PFA-fixed human HeLa cells with ZSCAN12 antibody (clone PCRP-ZSCAN12-2B2) followed by goat anti-mouse IgG-CF488 (blue), Red = unstained cells.

Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using ZSCAN12 antibody (clone PCRP-ZSCAN12-2B2). 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 ZSCAN12 antibody (clone PCRP-ZSCAN12-2B2) 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. The majority of zinc-finger proteins contain a Kruppel-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. Belonging to the Kruppel C2H2-type zinc-finger protein family, ZFP96 (zinc finger protein 96 homolog), also known as ZSCAN12 (zinc finger and SCAN domain-containing protein 12) and zinc finger protein 305, is a 604 amino acid nuclear protein that contains one SCAN box domain and 11 C2H2-type zinc fingers. ZFP96 is upregulated by 8-fold from day 13 of pregnancy to day 1 post-partum, suggesting that ZFP96 functions as a transcription factor by switching off pro-survival genes and/or upregulating pro-apoptotic genes of the corpus luteum.

Application Notes

Optimal dilution of the ZSCAN12 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 37-132) from the human protein was used as the immunogen for the ZSCAN12 antibody.

Storage

Aliquot the ZSCAN12 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.