

## ZSCAN12 (Transcriptional Corepressor) Antibody

Mouse Monoclonal Antibody [Clone PCRP-ZSCAN12-2B2]

Catalog No	Format	Size
9753-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9753-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9753-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

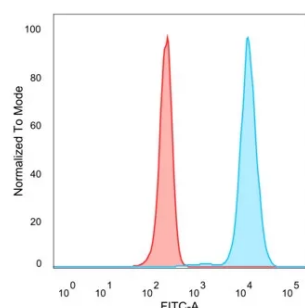
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

### Product Details

<b>Clone</b>	PCRP-ZSCAN12-2B2
<b>Gene Name</b>	ZSCAN12
<b>Immunogen</b>	Recombinant fragment (around aa37-132) of human ZSCAN12 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b
<b>Mol. Weight of Antigen</b>	70.22kDa
<b>Cellular Localization</b>	Nucleus.
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	HeLa or U87 cells. Ubiquitous tissue expression.

\*Optimal dilution for a specific application should be determined.

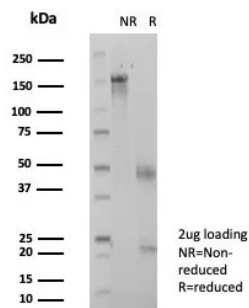
### Product Images for ZSCAN12 (Transcriptional Corepressor) Antibody



Flow cytometric analysis of PFA-fixed HeLa cells. ZSCAN12 Mouse Monoclonal Antibody (PCRP-ZSCAN12-2B2) followed by goat anti-mouse IgG-CF488 (blue), unstained cells (red).



Analysis of Protein Array containing more than 19,000 full-length human proteins using ZSCAN12 Mouse Monoclonal Antibody (PCRP-ZSCAN12-2B2). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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™ 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 be 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 ZSCAN12 Mouse Monoclonal Antibody (PCRP-ZSCAN12-2B2). Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

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.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

Nuclear Marker