

## ZHX3 (Transcriptional Repressor) Antibody

Mouse Monoclonal Antibody [Clone PCRP-ZHX3-1G3]

Catalog No	Format	Size
23051-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
23051-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
23051-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

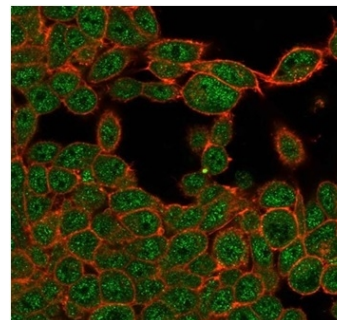
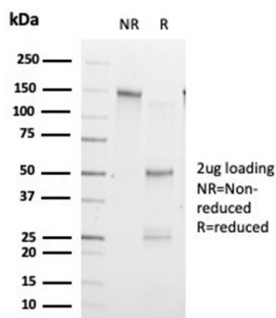
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

<b>Clone</b>	PCRP-ZHX3-1G3
<b>Gene Name</b>	ZHX3
<b>Immunogen</b>	Recombinant full-length human ZHX3 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2a
<b>Mol. Weight of Antigen</b>	105kDa
<b>Cellular Localization</b>	Nucleus
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	brain or thyroid., Human kidney

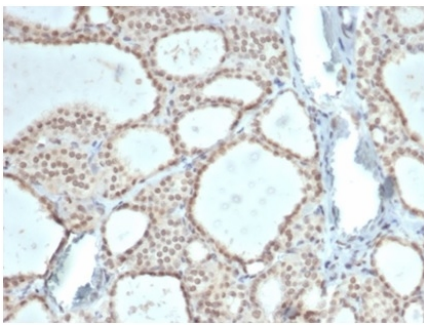
\*Optimal dilution for a specific application should be determined.

### Product Images for ZHX3 (Transcriptional Repressor) Antibody

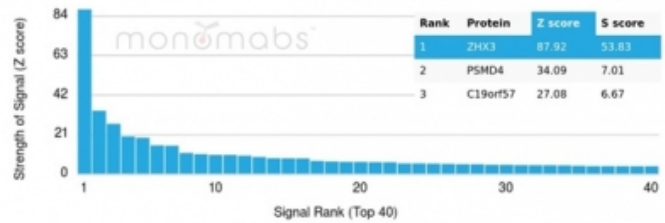


SDS-PAGE Analysis Purified ZHX3 Mouse Monoclonal Antibody (PCRP-ZHX3-1G3). Confirmation of Purity and Integrity of Antibody.

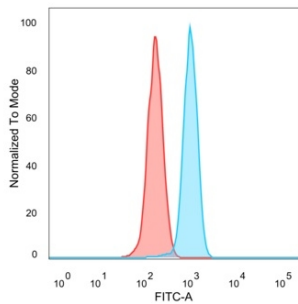
Immunofluorescence Analysis of PFA-fixed HeLa cells stained using ZHX3 Mouse Monoclonal Antibody (PCRP-ZHX3-1G3) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



Formalin-fixed, paraffin-embedded human thyroid stained with ZHX3 Mouse Monoclonal Antibody (PCRP-ZHX3-1G3) at 2ug/ml. HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



Analysis of Protein Array containing more than 19,000 full-length human proteins using ZHX3-Monospecific Mouse Monoclonal Antibody (PCRP-ZHX3-1G3). 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.



Flow cytometric analysis of PFA-fixed HeLa cells. ZHX3 Mouse Monoclonal Antibody (PCRP-ZHX3-1G3) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

### Specificity & Comments

Zinc-fingers and homeobox (ZHX) proteins are transcription factors that interact with the activation domain of the A subunit of nuclear factor-Y (NF-YA). ZHX1-3 are ubiquitously expressed proteins expressed in various tissues. They act as transcriptional repressors and localize to the nucleus. The ZHX proteins contain two Cys2-His2-type zinc-finger motifs and five homeodomains (HDs). These domains allow the ZHX proteins to form homodimers, but they can also form heterodimers with each other. However, this dimerization is not required for repressor activity. Hypermethylation-mediated silencing of ZHX2 is an epigenetic event involved in hepatocellular carcinoma (HCC).

### 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.