

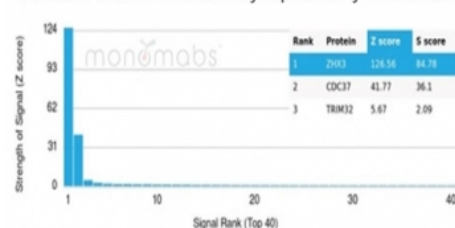
## ZHX3 Antibody [clone PCRP-ZHX3-1D11] (V8872)

| Catalog No.    | Formulation                                                             | Size   |
|----------------|-------------------------------------------------------------------------|--------|
| V8872-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V8872-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V8872SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

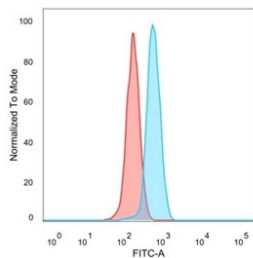
[Bulk quote request](#)

|                           |                                                                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                                                                                                 |
| <b>Species Reactivity</b> | Human                                                                                                                                                                                             |
| <b>Format</b>             | Purified                                                                                                                                                                                          |
| <b>Host</b>               | Mouse                                                                                                                                                                                             |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                                                                                                                                                         |
| <b>Isotype</b>            | Mouse IgG2b                                                                                                                                                                                       |
| <b>Clone Name</b>         | PCRP-ZHX3-1D11                                                                                                                                                                                    |
| <b>Purity</b>             | Protein A/G affinity                                                                                                                                                                              |
| <b>UniProt</b>            | Q9H4I2                                                                                                                                                                                            |
| <b>Localization</b>       | Nucleus                                                                                                                                                                                           |
| <b>Applications</b>       | ELISA (order BSA-free Format For Coating) :<br>Immunoprecipitation : 1-2ug per 100-500ug of total protein (1ml of cell lysate)<br>Western Blot : 1-2ug/ml<br>Flow Cytometry : 1-2ug/million cells |
| <b>Limitations</b>        | This ZHX3 antibody is available for research use only.                                                                                                                                            |

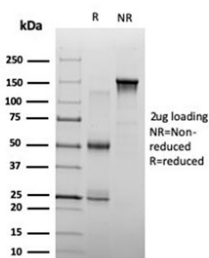
### Human Protein Microarray Specificity Validation



**ZHX3 Antibody Microarray Specificity Validation.** Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ZHX3 antibody (clone PCRP-ZHX3-1D11). These results demonstrate the foremost specificity of the PCRP-ZHX3-1D11 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) 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 the targets on the 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-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



ZHX3 Antibody Human HeLa Cell FACS. Flow cytometry staining of PFA-fixed human HeLa cells with ZHX3 antibody (blue, clone PCRP-ZHX3-1D11) and isotype control (red).



SDS-PAGE analysis of purified, BSA-free ZHX3 antibody (clone PCRP-ZHX3-1D11) as confirmation of integrity and purity.

## Description

ZHX3 Antibody specifically detects ZHX3 protein. 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).

Explore our [ZHX3 Antibody / Transcriptional Regulation Marker](#) page for additional validation data and research applications involving nuclear gene expression control, zinc finger homeobox proteins, and differentiation-associated transcriptional signaling pathways.

## Application Notes

Optimal dilution of the ZHX3 antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human ZHX3 protein was used as the immunogen for the ZHX3 antibody.

## Storage

Aliquot the ZHX3 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

