

## Rabbit ZHX2 Polyclonal Antibody | anti-ZHX2 antibody

ZHX2 Antibody (N-term)

|                               |                       |                                                          |                                                                |
|-------------------------------|-----------------------|----------------------------------------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA287116</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human (Predicted Reactivity: Mouse)</b> | APPLICATIONS<br><b>Immunofluorescence, ELISA, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------------------------|----------------------------------------------------------------|

### PRODUCT SYNONYMS

ZHX2; Polyclonal Antibody; ZHX2 Antibody (N-term); Zinc fingers and homeoboxes protein 2; Alpha-fetoprotein regulator 1; AFP regulator 1; Regulator of AFP; Zinc finger and homeodomain protein 2; AFR1; KIAA0854; RAF; anti-ZHX2 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human (Predicted Reactivity: Mouse)                                                                                                                                          |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This ZHX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 105-131 amino acids from the N-terminal region of human ZHX2.         |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.5 (varies by lot)                                                                                                                                      |
| Sequence Positions                             | 105-131                                                                                                                                                                      |
| Sequence Length                                | 837                                                                                                                                                                          |
| Applicable Applications for anti-ZHX2 antibody | IF (Immunofluorescence), ELISA, WB (Western Blot)                                                                                                                            |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

### IMAGES



#### IF (Immunofluorescence)

Fluorescent confocal image of A549 cell stained with ZHX2 Antibody (N-term). A549 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with ZHX2 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). ZHX2 immunoreactivity is localized to Nucleus significantly and Cytoplasm weakly.



#### WB (Western Blot)

ZHX2 Antibody (N-term) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the ZHX2 antibody detected the ZHX2 protein (arrow).

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ZHX2 antibody | The members of the zinc fingers and homeoboxes gene family are nuclear homodimeric transcriptional repressors that interact with the A subunit of nuclear factor-Y (NF-YA) and contain two C2H2-type zinc fingers and five homeobox DNA-binding domains. This gene encodes member 2 of this gene family. In addition to forming homodimers, this protein heterodimerizes with member 1 of the zinc fingers and homeoboxes family. |
| Product Categories/Family for anti-ZHX2 antibody   | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                      |
| References                                         | Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :<br>Xu, J., et al. Proc. Natl. Acad. Sci. U.S.A. 107(5):2136-2140(2010)<br>Trynka, G., et al. Gut 58(8):1078-1083(2009)<br>Shen, H., et al. J. Cell. Mol. Med. 12 (6B), 2772-2780 (2008) :<br>Hu, S., et al. Neoplasma 54(3):207-211(2007)                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 7662342                               |
| NCBI GeneID                      | 22882                                 |
| NCBI Accession #                 | NP_055758.1                           |
| NCBI GenBank Nucleotide #        | NM_014943.3                           |
| UniProt Accession #              | Q9Y6X8                                |
| Molecular Weight                 | 92307                                 |
| NCBI Official Full Name          | zinc fingers and homeoboxes protein 2 |
| NCBI Official Synonym Full Names | zinc fingers and homeoboxes 2         |
| NCBI Official Symbol             | ZHX2                                  |
| NCBI Official Synonym Symbols    | RAF; AFR1                             |
| NCBI Protein Information         | zinc fingers and homeoboxes protein 2 |
| UniProt Protein Name             | Zinc fingers and homeoboxes protein 2 |
| UniProt Gene Name                | ZHX2                                  |
| UniProt Synonym Gene Names       | AFR1; KIAA0854; RAF; AFP regulator 1  |
| UniProt Entry Name               | ZHX2_HUMAN                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/zhx2-antibody-immunofluorescence-western-blot-elisa/287116>