

# Anti-ZHX2 Antibody

Catalog # AP51624

## Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC                |
| Primary Accession | <a href="#">Q9Y6X8</a> |
| Reactivity        | Human, Mouse, Rat, Mk  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 92307                  |

## Additional Information

|                    |                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 22882                                                                                                                                                               |
| Other Names        | AFR1; KIAA0854; RAF; Zinc fingers and homeoboxes protein 2; Alpha-fetoprotein regulator 1; AFP regulator 1; Regulator of AFP; Zinc finger and homeodomain protein 2 |
| Target/Specificity | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ZHX2. The exact sequence is proprietary.                                 |
| Dilution           | WB~~WB (1/500 - 1/1000) IHC~~1:100~500                                                                                                                              |
| Format             | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                                                           |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt                                                                                                           |

## Protein Information

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | ZHX2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Synonyms          | AFR1, KIAA0854, RAF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Function          | Acts as a transcriptional repressor (PubMed: <a href="#">12741956</a> ). Represses the promoter activity of the CDC25C gene stimulated by NFYA (PubMed: <a href="#">12741956</a> ). May play a role in retinal development where it regulates the composition of bipolar cell populations, by promoting differentiation of bipolar OFF-type cells (By similarity). In the brain, may promote maintenance and suppress differentiation of neural progenitor cells in the developing cortex (By similarity). |
| Cellular Location | Nucleus {ECO:0000255 PROSITE-ProRule:PRU00108, ECO:0000269 PubMed:12741956, ECO:0000269 PubMed:17056598}<br>Note=Colocalizes with EFNB1 intracellular domain in the nucleus {ECO:0000250 UniProtKB:Q8C0C0}                                                                                                                                                                                                                                                                                                 |

## Tissue Location

Ubiquitously expressed. Expressed in podocytes.

## References

---

Kawata H.,et al.Biochem. J. 373:747-757(2003).

Nagase T.,et al.DNA Res. 5:355-364(1998).

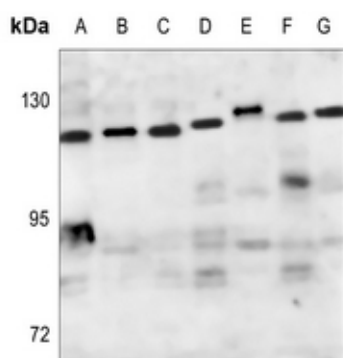
Ohara O.,et al.Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.

Liu G.,et al.J. Biol. Chem. 281:39681-39692(2006).

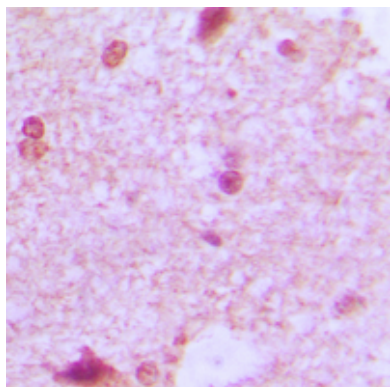
Gauci S.,et al.Anal. Chem. 81:4493-4501(2009).

## Images

---



Western blot analysis of ZHX2 expression in HEK293T (A), A549 (B), H446 (C), mouse spleen (D), mouse heart (E), rat spleen (F), rat heart (G) whole cell lysates. (Predicted band size: 92 kD; Observed band size: 120 kD)



Immunohistochemical analysis of ZHX2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.