

**Anti-ZHX2 Antibody**  
Catalog # AP53783**Specification****Anti-ZHX2 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<b><a href="#">O9Y6X8</a></b>
Reactivity	<b>Human, Mouse, Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>92307</b>

**Anti-ZHX2 Antibody - 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**

Recognizes endogenous levels of ZHX2 protein.

**Dilution**

WB~~1/500 - 1/1000

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-ZHX2 Antibody - Protein Information****Name** ZHX2**Synonyms** AFR1, KIAA0854, RAF**Function**

Acts as a transcriptional repressor (PubMed: <a href="http://www.uniprot.org/citations/12741956" target="\_blank">12741956</a>). Represses the promoter activity of the CDC25C gene stimulated by NFYA (PubMed: <a href="http://www.uniprot.org/citations/12741956" target="\_blank">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} Note=Colocalizes with EFNB1 intracellular domain in the nucleus {ECO:0000250|UniProtKB:Q8C0C0}

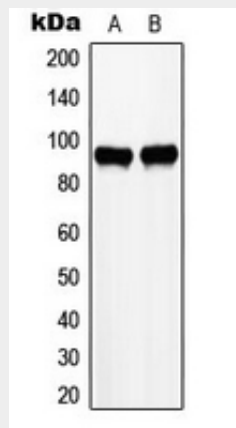
**Tissue Location**

Ubiquitously expressed. Expressed in podocytes.

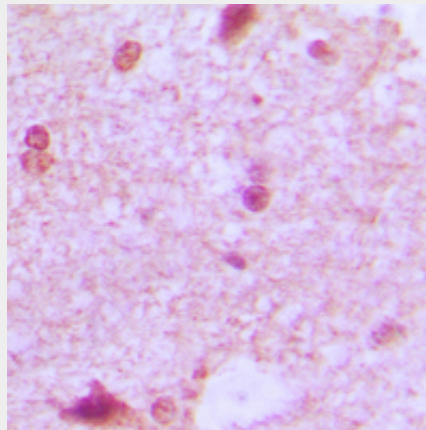
**Anti-ZHX2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-ZHX2 Antibody - Images**

Western blot analysis of ZHX2 expression in HepG2 (A), K562 (B) whole cell lysates.



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.

#### **Anti-ZHX2 Antibody - Background**

Rabbit polyclonal antibody to ZHX2