

Recombinant Anti-ZHX2 Rabbit mAb

Catalog # AP95380

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q9Y6X8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
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 human ZHX2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

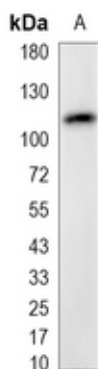
Protein Information

Name	ZHX2
Synonyms	AFR1, KIAA0854, RAF
Function	Acts as a transcriptional repressor (PubMed: 12741956). Represses the promoter activity of the CDC25C gene stimulated by NFYA (PubMed: 12741956). 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}

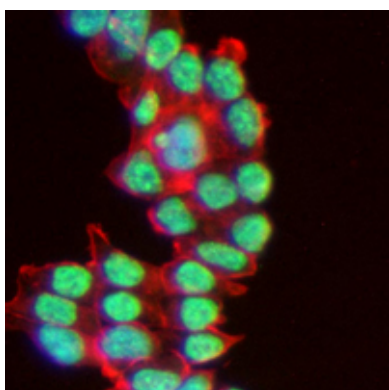
Tissue Location

Ubiquitously expressed. Expressed in podocytes.

Images



Western blot analysis of ZHX2 expression in HeLa (A) whole cell lysates. (Predicted band size: 92 kD; Observed band size: 110 kD)



Immunofluorescent analysis of ZHX2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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