

ZHX2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58684

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9Y6X8
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	92307
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZHX2
Epitope Specificity	451-550/837
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
SIMILARITY	Belongs to the ZHX family. Contains 2 C2H2-type zinc fingers. Contains 4 homeobox DNA-binding domains.
SUBUNIT	Forms homodimers. Also forms heterodimers with ZHX1 and ZHX3. Heterodimerization with ZHX1 is not necessary for repressor activity. Interacts with NFYA.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	<p>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. [provided by RefSeq, Jul 2008]. [FUNCTION] Acts as a transcriptional repressor. [SUBUNIT] Forms homodimers. Also forms heterodimers with ZHX1 and ZHX3. Heterodimerization with ZHX1 is not necessary for repressor activity. Interacts with NFYA. [SUBCELLULAR LOCATION] Nucleus. [TISSUE SPECIFICITY] Ubiquitously expressed. [SIMILARITY] Belongs to the ZHX family.</p>

Additional Information

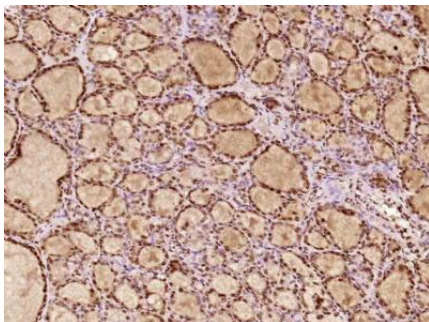
Gene ID	22882
Other Names	Zinc fingers and homeoboxes protein 2, Alpha-fetoprotein regulator 1, AFP regulator 1, Regulator of AFP, Zinc finger and homeodomain protein 2, ZHX2, AFR1, KIAA0854, RAF
Target/Specificity	Ubiquitously expressed.

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:50,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

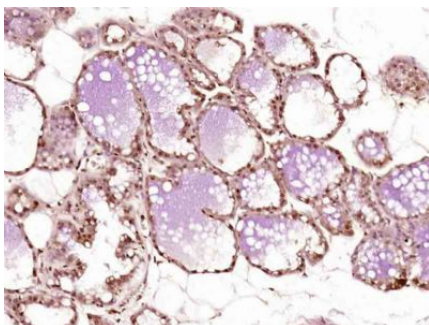
Protein Information

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



Paraformaldehyde-fixed, paraffin embedded (Rat thyroid); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZHX2) Polyclonal Antibody, Unconjugated (AP58684) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat breast); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ZHX2) Polyclonal Antibody, Unconjugated (AP58684) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.