

ZHX2 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58684

Specification

ZHX2 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession Q9Y6X8

Reactivity
Host
Clonality
Calculated MW
Rat, Pig, Dog, Bovine
Rabbit
Polyclonal
92 KDa

Calculated MW 92 KDa Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

laG

from human ZHX2

Epitope Specificity 451-550/837

Isotype Purity

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. Forms homodimers. Also forms heterodimers with ZHX1 and ZHX3.

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

affinity purified by Protein A

SUBUNIT

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.

ZHX2 Polyclonal Antibody - 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~~1:1000<br \><span class
="dilution_IHC-P">IHC-P~~N/A<br \><span class
="dilution_IHC-F">IHC-F~~N/A<br \><span class
="dilution_IF">IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

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.

ZHX2 Polyclonal Antibody - 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.

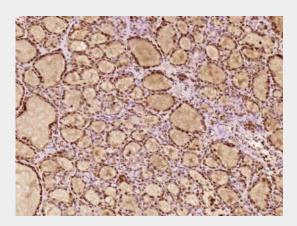
ZHX2 Polyclonal Antibody - Protocols

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

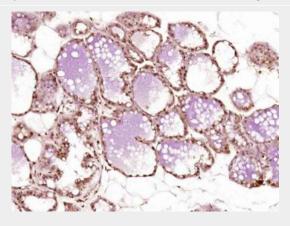
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



ZHX2 Polyclonal Antibody - 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 (bs-7581R) 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 (bs-7581R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.