

ZHX1 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19424b

Product Information

Application	WB, E
Primary Accession	Q9UKY1
Other Accession	Q8R515 , P70121 , NP_009153.3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB40545
Calculated MW	98098
Antigen Region	771-800

Additional Information

Gene ID	11244
Other Names	Zinc fingers and homeoboxes protein 1, ZHX1
Target/Specificity	This ZHX1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 771-800 amino acids from the C-terminal region of human ZHX1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ZHX1 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ZHX1
Function	Acts as a transcriptional repressor. Increases DNMT3B- mediated repressive transcriptional activity when DNMT3B is tethered to DNA. May link molecule between DNMT3B and other co-repressor proteins.

Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00108, ECO:0000269 PubMed:12237128, ECO:0000269 PubMed:17056598} Note=Colocalized in the nucleus with DNMT3B
Tissue Location	Ubiquitously expressed. Expressed in podocytes.

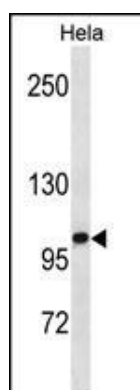
Background

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 1 of this gene family. In addition to forming homodimers, this protein heterodimerizes with members 2 and 3 of the zinc fingers and homeoboxes family. Alternative splicing results in multiple transcript variants encoding the same protein.

References

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Rikova, K., et al. Cell 131(6):1190-1203(2007)
Matsuoka, S., et al. Science 316(5828):1160-1166(2007)
Kim, S.H., et al. Biochem. Biophys. Res. Commun. 355(2):318-323(2007)
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Images



ZHX1 Antibody (C-term)(Cat. #AP19424b) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the ZHX1 antibody detected the ZHX1 protein (arrow).

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