

ZHX2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ZHX2.

Catalog # AT4577a

Product Information

Application	WB, IHC, IF
Primary Accession	Q9Y6X8
Other Accession	NM_014943
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	5E3
Calculated MW	92307

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	ZHX2 (NP_055758, 691 a.a. ~ 788 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	ZHX2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

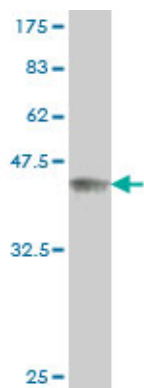
Background

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 2 of this gene family. In addition to forming homodimers, this protein heterodimerizes with member 1 of the zinc fingers and homeoboxes family.

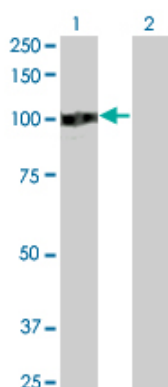
References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614. Inherited genetic variant predisposes to aggressive but not indolent prostate cancer. Xu J, et al. Proc Natl Acad Sci U S A, 2010 Feb 2. PMID 20080650. Semaphorin 4D signaling requires the recruitment of phospholipase C gamma into the plexin-B1 receptor complex. Swiercz JM, et al. Mol Cell Biol, 2009 Dec. PMID 19805522. Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kappaB signalling. Trynka G, et al. Gut, 2009 Aug. PMID 19240061. ZHX2 is a repressor of alpha-fetoprotein expression in human hepatoma cell lines. Shen H, et al. J Cell Mol Med, 2008 Dec. PMID 18194454.

Images

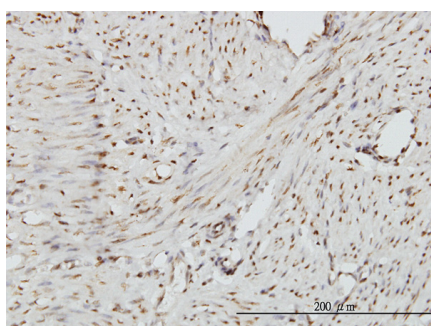


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .

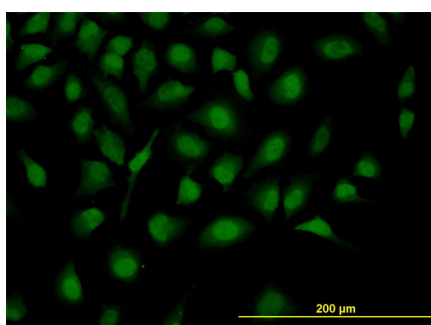


Western Blot analysis of ZHX2 expression in transfected 293T cell line by ZHX2 monoclonal antibody (M01), clone 5E2.

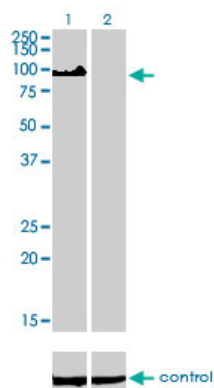
Lane 1: ZHX2 transfected lysate (92.307 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to ZHX2 on formalin-fixed paraffin-embedded human smooth muscle. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to ZHX2 on HeLa cell. [antibody concentration 10 ug/ml]



Western blot analysis of ZHX2 over-expressed 293 cell line, cotransfected with ZHX2 Validated Chimera RNAi (Cat # AT4577a)

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