

ZHX1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ZHX1.

Catalog # AT4576a

Product Information

Application	E
Primary Accession	Q9UKY1
Other Accession	NM_007222
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5E6
Calculated MW	98098

Additional Information

Gene ID	11244
Other Names	Zinc fingers and homeoboxes protein 1, ZHX1
Target/Specificity	ZHX1 (NP_009153, 731 a.a. ~ 829 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
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	ZHX1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

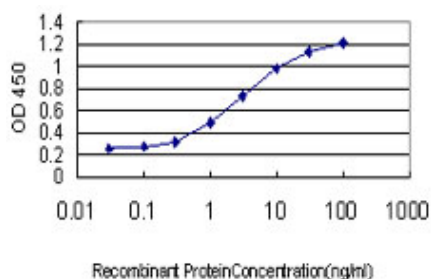
The members of the zinc fingers and homeoboxes gene family are nuclear homodimeric transcriptional repressors that interact with the A subunit of nuclear factor-Y (NF-YA) and contain two C2H2-type zinc fingers and five homeobox DNA-binding domains. This gene encodes member 1 of this gene family. In addition 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

The tandem zinc-finger region of human ZHX adopts a novel C2H2 zinc finger structure with a C-terminal extension. Wienk H, et al. Biochemistry, 2009 Jun 2. PMID 19348505.Zinc-fingers and homeoboxes 1 (ZHX1)

binds DNA methyltransferase (DNMT) 3B to enhance DNMT3B-mediated transcriptional repression. Kim SH, et al. Biochem Biophys Res Commun, 2007 Apr 6. PMID 17303076. ZHX proteins regulate podocyte gene expression during the development of nephrotic syndrome. Liu G, et al. J Biol Chem, 2006 Dec 22. PMID 17056598. A protein-protein interaction network for human inherited ataxias and disorders of Purkinje cell degeneration. Lim J, et al. Cell, 2006 May 19. PMID 16713569. A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.

Images



Detection limit for recombinant GST tagged ZHX1 is approximately 0.03ng/ml as a capture antibody.

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