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# 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. |

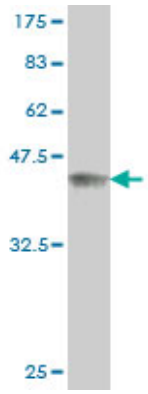
## Background

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.

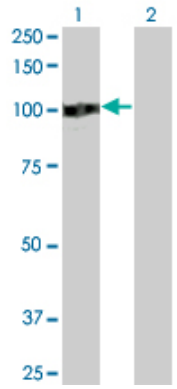
## References

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

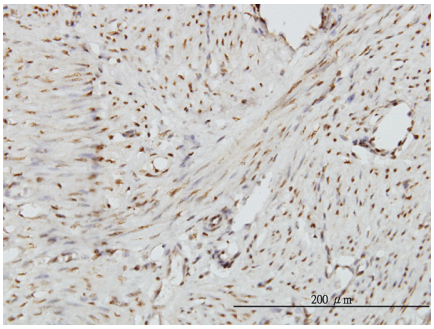



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .

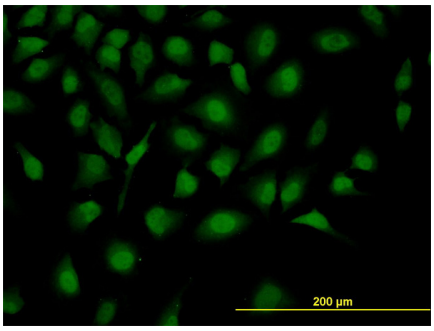



Western Blot analysis of ZHX2 expression in transfected 293T cell line by ZHX2 monoclonal antibody (M01), clone 5E2.

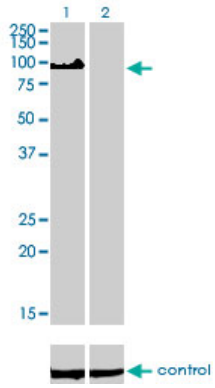
Lane 1: ZHX2 transfected lysate(92.307 KDa).
Lane 2: Non-transfected lysate.



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'.