

**ZFHX1B Antibody (monoclonal) (M04)****Mouse monoclonal antibody raised against a partial recombinant ZFHX1B.****Catalog # AT4573a****Specification**

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**ZFHX1B Antibody (monoclonal) (M04) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB, IF                      |
| Primary Accession | <a href="#">O60315</a>      |
| Other Accession   | <a href="#">NM_014795.2</a> |
| Reactivity        | Human                       |
| Host              | Mouse                       |
| Clonality         | Monoclonal                  |
| Isotype           | IgG2a Kappa                 |
| Calculated MW     | 136447                      |

**ZFHX1B Antibody (monoclonal) (M04) - Additional Information****Gene ID** 9839**Other Names**

Zinc finger E-box-binding homeobox 2, Smad-interacting protein 1, SMADIP1, Zinc finger homeobox protein 1b, ZEB2, KIAA0569, SIP1, ZFHX1B, ZFX1B

**Target/Specificity**

ZFHX1B (NP\_055610.1, 1115 a.a. ~ 1214 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

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**

ZFHX1B Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

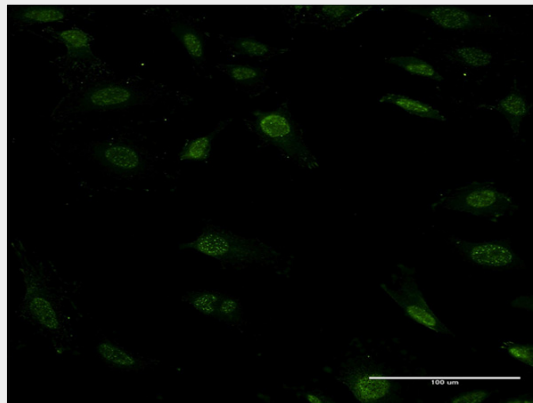
**ZFHX1B Antibody (monoclonal) (M04) - Protocols**

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

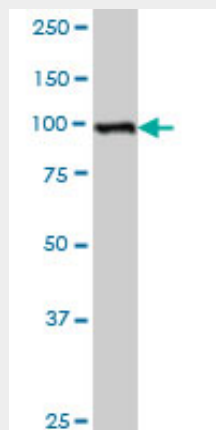
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### ZFH1B Antibody (monoclonal) (M04) - Images



Immunofluorescence of monoclonal antibody to ZEB2 on HeLa cell . [antibody concentration 10 ug/ml]



ZFH1B monoclonal antibody (M04), clone 4G8. Western Blot analysis of ZFH1B expression in K-562 ( Cat # L009V1 ).

#### ZFH1B Antibody (monoclonal) (M04) - Background

The protein encoded by this gene is a member of the Zfh1 family of 2-handed zinc finger/homeodomain proteins. It is located in the nucleus and functions as a DNA-binding transcriptional repressor that interacts with activated SMADs. Mutations in this gene are associated with Hirschsprung disease/Mowat-Wilson syndrome. Alternatively spliced transcript variants have been found for this gene.

#### ZFH1B Antibody (monoclonal) (M04) - References

Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891. Web-based, participant-driven studies yield novel genetic associations for common traits. Eriksson N, et al. PLoS Genet, 2010 Jun 24. PMID 20585627. Pancreatic cancers epigenetically

silence SIP1 and hypomethylate and overexpress miR-200a/200b in association with elevated circulating miR-200a and miR-200b levels. Li A, et al. Cancer Res, 2010 Jul 1. PMID 20551052. Epidermal growth factor receptor and mutant p53 expand an esophageal cellular subpopulation capable of epithelial-to-mesenchymal transition through ZEB transcription factors. Ohashi S, et al. Cancer Res, 2010 May 15. PMID 20424117. Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.

**ZFHX1B Antibody (monoclonal) (M04) - Citations**

- [MicroRNA-200 family members and ZEB2 are associated with brain metastasis in gastric adenocarcinoma.](#)