10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ZFHX1B Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a partial recombinant ZFHX1B.
Catalog # AT4573a

Product Information

Application	WB, IF
Primary Accession	O60315
Other Accession	NM_014795.2
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	4G8
Calculated MW	136447

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.

Background

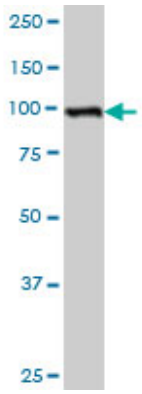
The protein encoded by this gene is a member of the Zfh1 family of 2-handed zinc finger/homeodomain proteins. It is located in the nucleus and functions as a DNA-binding transcriptional repressor that interacts with activated SMADs. Mutations in this gene are associated with Hirschsprung disease/Mowat-Wilson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

References

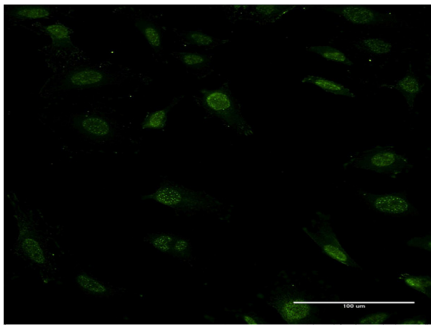
Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID

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.

Images



ZFHX1B monoclonal antibody (M04), clone 4G8. Western Blot analysis of ZFHX1B expression in K-562 (Cat # L009V1).



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

Citations

- MicroRNA-200 family members and ZEB2 are associated with brain metastasis in gastric adenocarcinoma.