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KLF8 Antibody (monoclonal) (M09)

Mouse monoclonal antibody raised against a partial recombinant KLF8.
Catalog # AT2635a

Product Information

Application	WB, E
Primary Accession	O95600
Other Accession	NM_007250
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2E11
Calculated MW	39314

Additional Information

Gene ID	11279
Other Names	Krueppel-like factor 8, Basic krueppel-like factor 3, Zinc finger protein 741, KLF8, BKLF3, ZNF741
Target/Specificity	KLF8 (NP_009181.1, 1 a.a. ~ 98 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	KLF8 Antibody (monoclonal) (M09) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

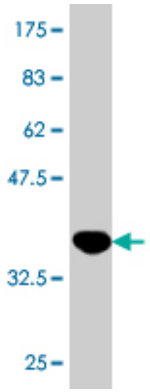
This gene encodes a protein which is a member of the Sp/KLF family of transcription factors. Members of this family contain a C-terminal DNA-binding domain with three Kruppel-like zinc fingers. The encoded protein is thought to play an important role in the regulation of epithelial to mesenchymal transition, a process which occurs normally during development but also during metastasis. A pseudogene has been identified on chromosome 16. Alternative splicing results in multiple transcript variants.

References

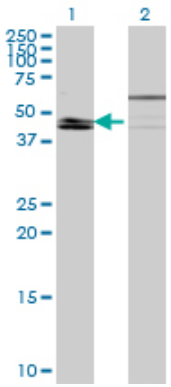
Small interference RNA targeting Kr?ppel-like factor 8 inhibits the renal carcinoma 786-0 cells growth in vitro

and in vivo. Fu WJ, et al. J Cancer Res Clin Oncol, 2010 Aug. PMID 20182889.Activation of KLF8 transcription by focal adhesion kinase in human ovarian epithelial and cancer cells. Wang X, et al. J Biol Chem, 2008 May 16. PMID 18353772.Kr?ppel-like factor 8 induces epithelial to mesenchymal transition and epithelial cell invasion. Wang X, et al. Cancer Res, 2007 Aug 1. PMID 17671186.Systematic RNAi studies on the role of Sp/KLF factors in globin gene expression and erythroid differentiation. Hu JH, et al. J Mol Biol, 2007 Mar 2. PMID 17224162.KLF8 transcription factor participates in oncogenic transformation. Wang X, et al. Oncogene, 2007 Jan 18. PMID 16832343.

Images

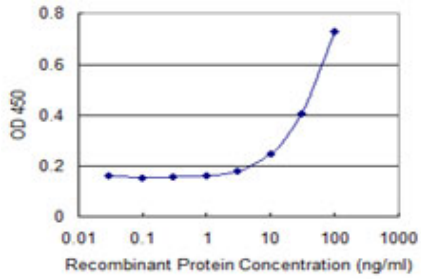


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.52 KDa) .



Western Blot analysis of KLF8 expression in transfected 293T cell line by KLF8 monoclonal antibody (M09), clone 2E10.

Lane 1: KLF8 transfected lysate(39.3 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged KLF8 is 3 ng/ml as a capture antibody.

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