

KLF9 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant KLF9.

Catalog # AT2637a

Product Information

Application	E
Primary Accession	Q13886
Other Accession	NM_001206
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2B9
Calculated MW	27235

Additional Information

Gene ID	687
Other Names	Krueppel-like factor 9, Basic transcription element-binding protein 1, BTE-binding protein 1, GC-box-binding protein 1, Transcription factor BTEB1, KLF9, BTEB, BTEB1
Target/Specificity	KLF9 (NP_001197, 25 a.a. ~ 101 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	KLF9 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

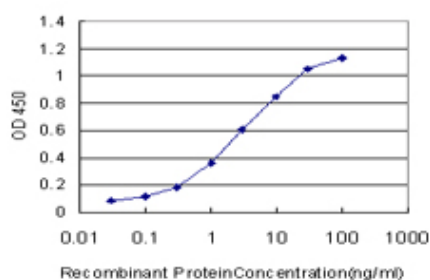
The protein encoded by this gene is a transcription factor that binds to GC box elements located in the promoter. Binding of the encoded protein to a single GC box inhibits mRNA expression while binding to tandemly repeated GC box elements activates transcription.

References

Functional differentiation of uterine stromal cells involves cross-regulation between bone morphogenetic protein 2 and Krueppel-like factor (KLF) family members KLF9 and KLF13. Pabona JM, et al. Endocrinology,

2010 Jul. PMID 20410205. GAR22: a novel target gene of thyroid hormone receptor causes growth inhibition in human erythroid cells. Gamper I, et al. *Exp Hematol*, 2009 May. PMID 19375645. The Kr μ pel-like factor 9 (KLF9) network in HEC-1-A endometrial carcinoma cells suggests the carcinogenic potential of dys-regulated KLF9 expression. Simmen FA, et al. *Reprod Biol Endocrinol*, 2008 Sep 10. PMID 18783612. Downregulation of Kr μ pel-like factor 9 in human colorectal cancer. Kang L, et al. *Pathol Int*, 2008 Jun. PMID 18477211. Hepatocyte nuclear factor 4 α contributes to thyroid hormone homeostasis by cooperatively regulating the type 1 iodothyronine deiodinase gene with GATA4 and Kruppel-like transcription factor 9. Ohguchi H, et al. *Mol Cell Biol*, 2008 Jun. PMID 18426912.

Images



Detection limit for recombinant GST tagged KLF9 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'.