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KLF11 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant KLF11.
Catalog # AT2629a

Product Information

Application	WB, IHC, IF
Primary Accession	O14901
Other Accession	NM_003597
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	10D8
Calculated MW	55139

Additional Information

Gene ID	8462
Other Names	Krueppel-like factor 11, Transforming growth factor-beta-inducible early growth response protein 2, TGFB-inducible early growth response protein 2, TIEG-2, KLF11, FKLF, TIEG2
Target/Specificity	KLF11 (NP_003588, 404 a.a. ~ 512 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	KLF11 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

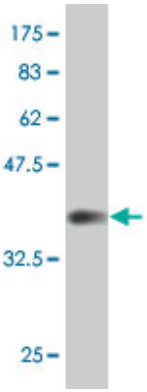
The protein encoded by this gene is a zinc finger transcription factor that binds to SP1-like sequences in epsilon- and gamma-globin gene promoters. This binding inhibits cell growth and causes apoptosis. Defects in this gene are a cause of maturity-onset diabetes of the young type 7 (MODY7). Three transcript variants encoding two different isoforms have been found for this gene.

References

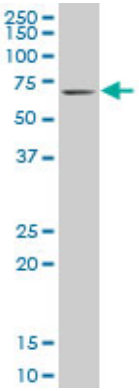
Distinct role of Kruppel-like factor 11 in the regulation of prostaglandin E2 biosynthesis. Buttar NS, et al. J

Biol Chem, 2010 Apr 9. PMID 20154088.Transcription factor KLF11 integrates progesterone receptor signaling and proliferation in uterine leiomyoma cells. Yin P, et al. Cancer Res, 2010 Feb 15. PMID 20124487.Epigenetic inactivation of tumour suppressor gene KLF11 in myelodysplastic syndromes*. Potapova A, et al. Eur J Haematol, 2010 Apr. PMID 20002157.MODY7 gene, KLF11, is a novel p300-dependent regulator of Pdx-1 (MODY4) transcription in pancreatic islet beta cells. Fernandez-Zapico ME, et al. J Biol Chem, 2009 Dec 25. PMID 19843526.Common genetic variation in candidate genes and susceptibility to subtypes of breast cancer. Mavaddat N, et al. Cancer Epidemiol Biomarkers Prev, 2009 Jan. PMID 19124506.

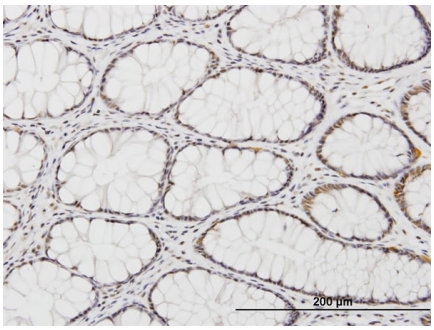
Images



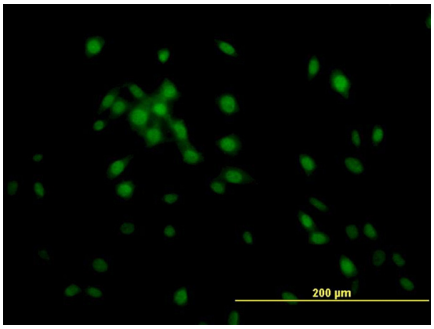
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .



KLF11 monoclonal antibody (M03), clone 10D8 Western Blot analysis of KLF11 expression in NIH/3T3 ((Cat # AT2629a)



Immunoperoxidase of monoclonal antibody to KLF11 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



Immunofluorescence of monoclonal antibody to KLF11 on NIH/3T3 cell. [antibody concentration 10 ug/ml]

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