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GTF2IRD1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant GTF2IRD1.
Catalog # AT2291a

Product Information

Application	WB
Primary Accession	Q9UHL9
Other Accession	NM_005685
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	1D2
Calculated MW	106057

Additional Information

Gene ID	9569
Other Names	General transcription factor II-I repeat domain-containing protein 1, GTF2I repeat domain-containing protein 1, General transcription factor III, MusTRD1/BEN, Muscle TFII-I repeat domain-containing protein 1, Slow-muscle-fiber enhancer-binding protein, USE B1-binding protein, Williams-Beuren syndrome chromosomal region 11 protein, Williams-Beuren syndrome chromosomal region 12 protein, GTF2IRD1
Target/Specificity	GTF2IRD1 (NP_005676, 431 a.a. ~ 530 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
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	GTF2IRD1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

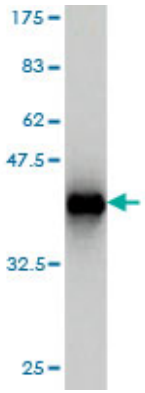
Background

The protein encoded by this gene contains five GTF2I-like repeats and each repeat possesses a potential helix-loop-helix (HLH) motif. It may have the ability to interact with other HLH-proteins and function as a transcription factor or as a positive transcriptional regulator under the control of Retinoblastoma protein. This gene is deleted in Williams-Beuren syndrome, a multisystem developmental disorder caused by deletion of multiple genes at 7q11.23. Alternative splicing of this gene generates at least 2 transcript variants.

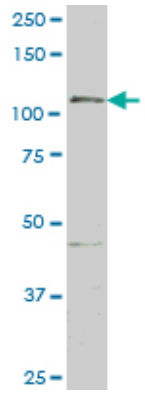
References

Negative autoregulation of GTF2IRD1 in Williams-Beuren syndrome via a novel DNA binding mechanism. Palmer SJ, et al. J Biol Chem, 2010 Feb 12. PMID 20007321.Partial 7q11.23 deletions further implicate GTF2I and GTF2IRD1 as the main genes responsible for the Williams-Beuren syndrome neurocognitive profile. Antonell A, et al. J Med Genet, 2010 May. PMID 19897463.Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kappaB signalling. Trynka G, et al. Gut, 2009 Aug. PMID 19240061.Is it Williams syndrome? GTF2IRD1 implicated in visual-spatial construction and GTF2I in sociability revealed by high resolution arrays. Dai L, et al. Am J Med Genet A, 2009 Mar. PMID 19205026.Characterization of a novel cardiac isoform of the cell cycle-related kinase that is regulated during heart failure. Qiu H, et al. J Biol Chem, 2008 Aug 8. PMID 18508765.

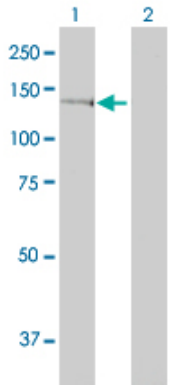
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



GTF2IRD1 monoclonal antibody (M01), clone 1D2 Western Blot analysis of GTF2IRD1 expression in Jurkat ((Cat # AT2291a)



Western Blot analysis of GTF2IRD1 expression in transfected 293T cell line by GTF2IRD1 monoclonal antibody (M01), clone 1D2.

Lane 1: GTF2IRD1 transfected lysate(106 KDa).
Lane 2: Non-transfected lysate.

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