

GTF2IRD1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant GTF2IRD1.****Catalog # AT2291a****Specification**

GTF2IRD1 Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	O9UHL9
Other Accession	NM_005685
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	106057

GTF2IRD1 Antibody (monoclonal) (M01) - 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

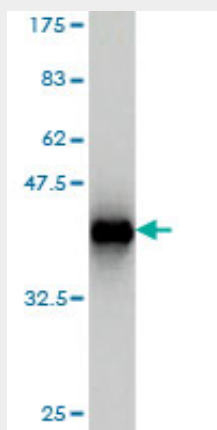
GTF2IRD1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

GTF2IRD1 Antibody (monoclonal) (M01) - Protocols

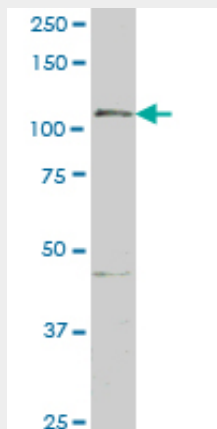
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

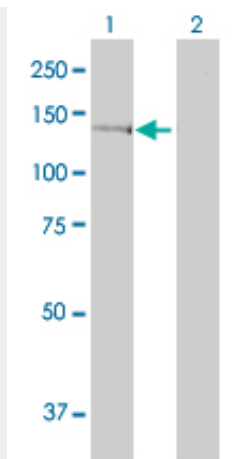
GTF2IRD1 Antibody (monoclonal) (M01) - Images



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.

GTF2IRD1 Antibody (monoclonal) (M01) - 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.

GTF2IRD1 Antibody (monoclonal) (M01) - 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.