

GTF2IRD1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18120a**Specification**

GTF2IRD1 Antibody (N-term) - Product Information

| | |
|-------------------|-----------------------------|
| Application | WB,E |
| Primary Accession | O9UHL9 |
| Other Accession | NP_005676.2 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 106057 |
| Antigen Region | 79-108 |

GTF2IRD1 Antibody (N-term) - 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

This GTF2IRD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 79-108 amino acids from the N-terminal region of human GTF2IRD1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GTF2IRD1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

GTF2IRD1 Antibody (N-term) - Protein Information

Name GTF2IRD1

Synonyms CREAM1, GTF3, MUSTRD1, RBAP2, WBSCR11, W

Function May be a transcription regulator involved in cell-cycle progression and skeletal muscle differentiation. May repress GTF2I transcriptional functions, by preventing its nuclear residency, or by inhibiting its transcriptional activation. May contribute to slow- twitch fiber type specificity during myogenesis and in regenerating muscles. Binds troponin I slow-muscle fiber enhancer (USE B1). Binds specifically and with high affinity to the EFG sequences derived from the early enhancer of HOXC8 (By similarity).

Cellular Location

Nucleus.

Tissue Location

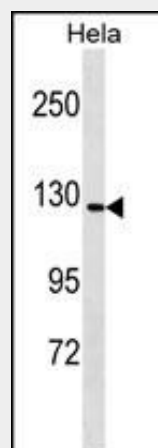
Highly expressed in adult skeletal muscle, heart, fibroblast, bone and fetal tissues. Expressed at lower levels in all other tissues tested

GTF2IRD1 Antibody (N-term) - 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 (N-term) - Images



GTF2IRD1 Antibody (N-term) (Cat. #AP18120a) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the GTF2IRD1 antibody detected the GTF2IRD1 protein (arrow).

GTF2IRD1 Antibody (N-term) - 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 plays a role in craniofacial and cognitive development and mutations have been associated with Williams-Beuren syndrome, a multisystem developmental disorder caused by deletion of multiple genes at 7q11.23. Alternative splicing results in multiple transcript variants. [provided by RefSeq].

GTF2IRD1 Antibody (N-term) - References

Antonell, A., et al. J. Med. Genet. 47(5):312-320(2010)
Palmer, S.J., et al. J. Biol. Chem. 285(7):4715-4724(2010)
Trynka, G., et al. Gut 58(8):1078-1083(2009)
Dai, L., et al. Am. J. Med. Genet. A 149A (3), 302-314 (2009) :
Lazebnik, M.B., et al. J. Biol. Chem. 283(17):11078-11082(2008)