ARG41180
anti-GTF2IRD1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GTF2IRD1
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GTF2IRD1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 660-959 of Human GTF2IRD1 (NP_057412.1).
Conjugation	Un-conjugated
Alternate Names	WBSCR11; RBAP2; WBSCR12; BEN; WBS; Williams-Beuren syndrome chromosomal region 11 protein; Williams-Beuren syndrome chromosomal region 12 protein; GTF2I repeat domain-containing protein 1; Slow-muscle-fiber enhancer-binding protein; MUSTRD1; USE B1-binding protein; General transcription factor II-I repeat domain-containing protein 1; GTF3; CREAM1; MusTRD1/BEN; hMusTRD1alpha1; General transcription factor III; Muscle TFII-I repeat domain-containing protein 1

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	BT-474
Observed Size	110 kDa

Properties

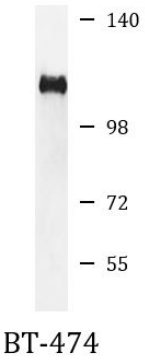
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GTF2IRD1
Gene Full Name	GTF2I repeat domain containing 1
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, Nov 2010]
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). [UniProt]
Calculated Mw	106 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG41180 anti-GTF2IRD1 antibody WB image

Western blot: 25 µg of BT-474 cell lysate stained with ARG41180 anti-GTF2IRD1 antibody at 1:1000 dilution.