

Anti-GTF2IRD1 Antibody

Catalog # AP53349

Product Information

Application	WB, IHC, IP
Primary Accession	Q9UHL9
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	106057

Additional Information

Gene ID	9569
Other Names	CREAM1; GTF3; MUSTRD1; RBAP2; WBSCR11; WBSCR12; 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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GTF2IRD1. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500 IP~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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.

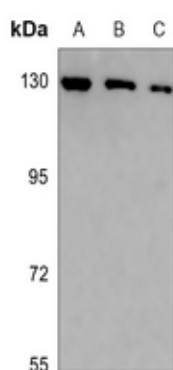
Tissue Location

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

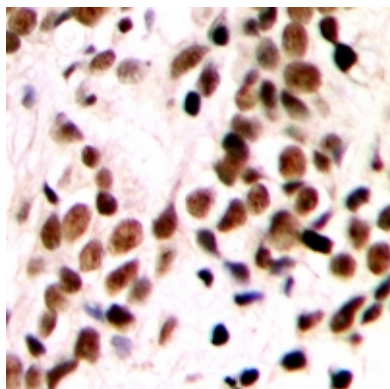
References

O'Mahoney J.V.,et al.Mol. Cell. Biol. 18:6641-6652(1998).
Osborne L.R.,et al.Genomics 57:279-284(1999).
Tassabehji M.,et al.Eur. J. Hum. Genet. 7:737-747(1999).
Franke Y.,et al.Cytogenet. Cell Genet. 86:296-304(1999).
Yan X.,et al.Biochem. J. 345:749-757(2000).

Images



Western blot analysis of GTF2IRD1 expression in DLD (A), A375 (B), A549 (C) whole cell lysates. (Predicted band size: 106 kD; Observed band size: 130 kD)



Immunohistochemical analysis of GTF2IRD1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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