# WBSCR11 Rabbit pAb

CatalogNo: YT4901

## Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,ELISA

MW
- 106kD (Observed)

Isotype
- IgG

## Storage

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|---|---|
| **Storage*** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |

## Recommended Dilution Ratios

**WB 1:500-1:2000**
**IHC 1:100-1:300**
**ELISA 1:20000**
**IF 1:50-200**

## Basic Information

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|---|---|
| **Clonality** | Polyclonal |

## Immunogen Information

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|---|---|
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human GTF2IRD1. AA range:71-120 |
| **Specificity** | WBSCR11 Polyclonal Antibody detects endogenous levels of WBSCR11 protein. |

## Target Information

**Gene name** GTF2IRD1

**Protein Name** General transcription factor II-I repeat domain-containing protein 1

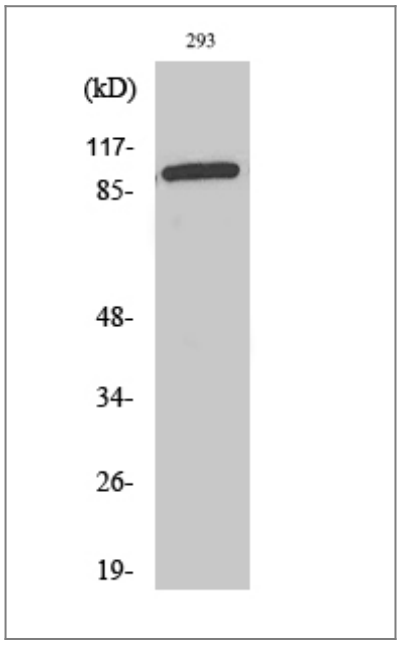
| Organism | Gene ID | UniProt ID |
|---|---|---|
| Human | 9569; | Q9UHL9; |
| Mouse | 57080; | Q9JI57; |

**Cellular Localization** Nucleus.

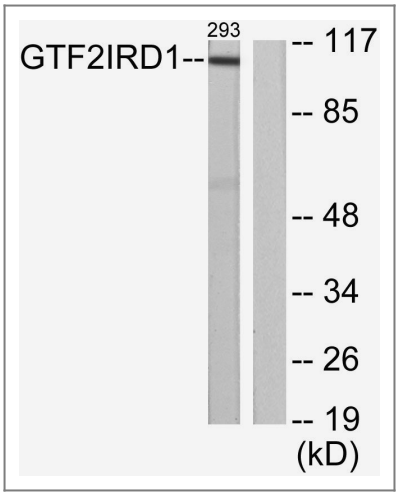
**Tissue specificity** Highly expressed in adult skeletal muscle, heart, fibroblast, bone and fetal tissues. Expressed at lower levels in all other tissues tested.

**Function** developmental stage:Highly expressed in developing and regenerating muscles, at the time of myofiber diversification.,Disease:Haploinsufficiency of GTF2IRD1 may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in Williams-Beuren syndrome (WBS), a rare developmental disorder. It is a contiguous gene deletion syndrome involving genes from chromosome band 7q11.23.,Domain:The N-terminal half may have an activating activity.,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.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the TFII-I family.,similarity:Contains 5 GTF2I-like repeats.,subunit:Interacts with the retinoblastoma protein (RB1) via its C-terminus.,tissue specificity:Highly expressed in adult skeletal muscle, heart, fibroblast, bone and fetal tissues. Expressed at lower levels in all other tissues tested.,

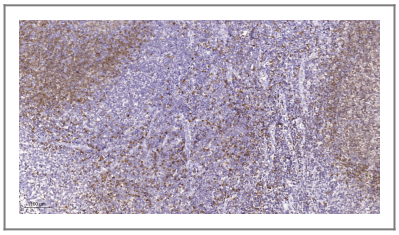
## Validation Data




Western Blot analysis of various cells using WBSCR11 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).




Western blot analysis of lysates from 293 cells, using GTF2IRD1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).

## Contact information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