

## 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

**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

**Clonality** Polyclonal

### Immunogen Information

**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

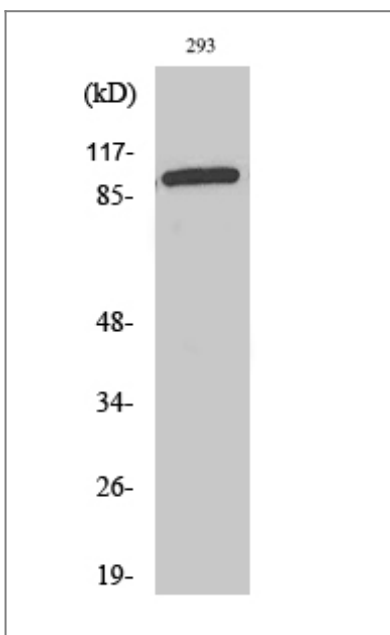
Organism	Gene ID	UniProt ID
Human	<a href="#">9569;</a>	<a href="#">Q9UHL9;</a>
Mouse	<a href="#">57080;</a>	<a href="#">Q9JI57;</a>

**Cellular Localization** Nucleus.

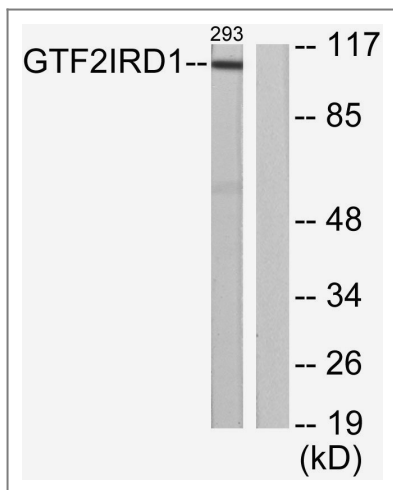
**Tissue specificity** Highly expressed in adult skeletal muscle, heart, fibroblast, bone and fetal tissues. Expressed at lower levels in all other tissues tested.

**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.,

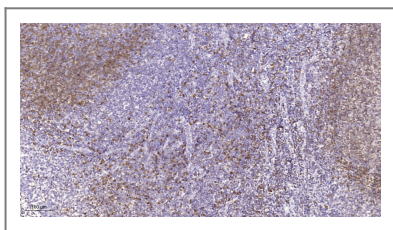
## Validation Data



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, Invent biotech, 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, pH 9.0 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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Please scan the QR code to access additional product information:  
**WBSCR11 Rabbit pAb**

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