

## DATASHEET

# ISLR Rabbit Polyclonal Antibody

CAT. NO. APA19396

### KEY FEATURES

|               |   |               |                    |
|---------------|---|---------------|--------------------|
| Target        | ISLR  | Source / Host | Rabbit             |
| Reactivity    | Human   | Clonality     | Polyclonal         |
| Applications  | WB, IHC, FC   | Conjugation   | Unconjugated       |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |               | Storage<br>at-20°C |

### BACKGROUND

Immunoglobulin superfamily containing leucine-rich repeat protein (ISLR). Subcellular location: Secreted Tissue specificity: Expressed in various tissues including retina, heart, skeletal muscle, prostate, ovary, small intestine, thyroid, adrenal cortex, testis, stomach and spinal cord Developmental stage: Expressed in fetal lung and kidney

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|     |                |
|-----|----------------|
| WB  | 1:500 - 1:1000 |
| IHC | 1:50 - 1:200   |
| FC  | 1:10 - 1:50    |

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

|                   |   |
|-------------------|---|
| Description       | Rabbit polyclonal antibody to ISLR  |
| Specificity       | Recognizes endogenous levels of ISLR protein.   |
| Antibody Type     | Primary antibody  |
| Immunogen         | KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human ISLR. The exact sequence is proprietary. |
| Purification      | The antibody was purified by immunogen affinity chromatography.   |
| Molecular Weight  | Predicted: 45 kD; Observed: 46 kD   |
| Form/Buffer       | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                               |
| Alternative Names | Immunoglobulin superfamily containing leucine-rich repeat protein   |
| Gene Symbol       | ISLR  |
| Entrez Gene       | 3671(Human)   |
| SwissProt         | O14498(Human)   |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

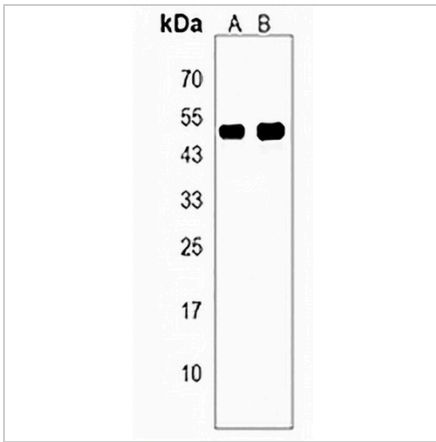
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

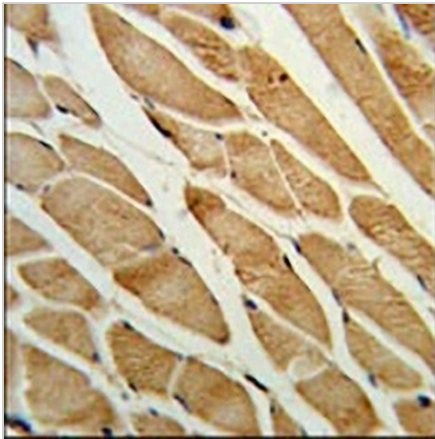
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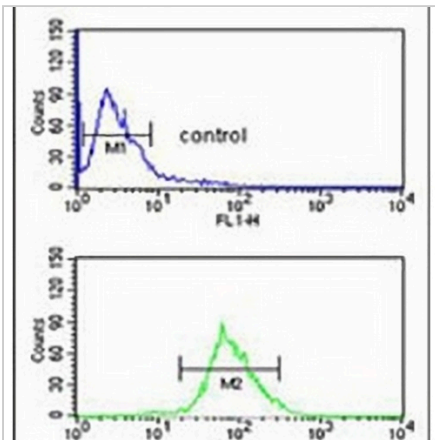
**DATA**



Western blot analysis of ISLR expression in human heart (A), human skeletal muscle (B) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 46 kD)



Immunohistochemical analysis of ISLR staining in human skeletal muscle 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.



Flow cytometric analysis of MDAMB435 cells using Anti-ISLR Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Rabbit IgG (H&L) - AREX® Fluor 488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.