

## Islet1 Monoclonal Antibody

**CAB0871**

### Description

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This Islet1 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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**SKU:** CAB0871  
**Contents:** 20 µL, 100 µL  
Bradford Reagent: 1 vial (2ml)  
**Category:** Monoclonal Antibody  
**Synonyms:** Isl-1, ISLET1, Islet1  
**Clone:** ARC0511  
**Applications:** **WB** | **IHC-P** | **ELISA**  
**Conjugation:** Unconjugated  
**Reactivity:** Human, Mouse

### Antibody Data

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**Gene ID:** 3670  
**Uniprot:** AB\_2861484  
**Host Species:** Rabbit  
**Purification:** Affinity purification  
**Observed MW:** 39-45 kDa  
**Calculated MW:** 39 kDa

## Preparation & Storage

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**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** SH-SY5Y

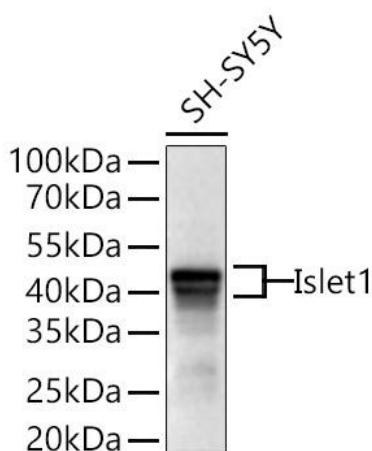
**Recommended Dilutions:**

WB	1:2000 - 1:10000
IHC-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

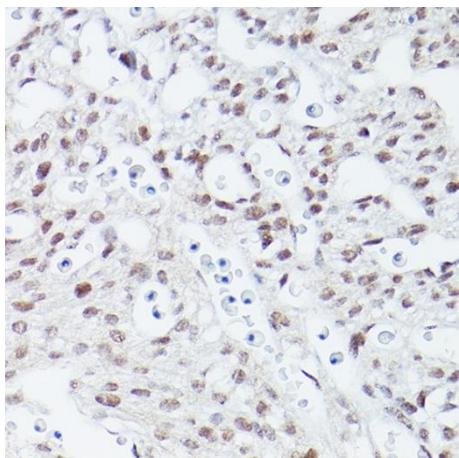
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

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Western blot analysis of lysates from SH-SY5Y cells using Islet1 Rabbit mAb (CAB0871) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 10 s.



Immunohistochemistry analysis of paraffin-embedded Mouse fetal Heart using Islet1 Rabbit mAb (CAB0871) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.