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**Product Name: Islet 1 Rabbit Monoclonal Antibody****Catalog #: AMRe85718**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,IP
<b>Reactivity</b>	Human,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,IP 1:10-1:20
<b>Molecular Weight</b>	Calculated MW: 39 kDa; Observed MW: 39 kDa

**Antigen Information**

<b>Gene Name</b>	Islet 1
<b>Alternative Names</b>	ISL1; Insulin gene enhancer protein ISL-1; Islet-1
<b>Gene ID</b>	3670.0
<b>SwissProt ID</b>	P61371
<b>Immunogen</b>	Recombinant protein of human Islet 1

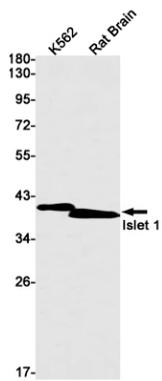
**Background**

ISL1 (ISL1 transcription factor, LIM/homeodomain) is a member of the LIM/homeodomain family of transcription factors. It binds to the enhancer region of the insulin gene, among others, and may play an important role in regulating insulin gene expression. It is central to the development of pancreatic cell lineages and may also be required for motor neuron generation.

Islet-1 expression defines cardiac progenitor cell populations and is required for normal cardiac development and asymmetry.

## Research Area

## Image Data



Western blot analysis of Islet 1 in K562, rat Brain lysates using Islet 1 antibody.