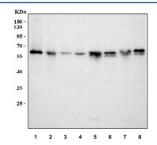


## ICA1 Antibody / Islet cell autoantigen 1 (R32190)

Catalog No.	Formulation	Size
R32190	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

#### **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q05084
Applications	Western Blot : 0.5-1ug/ml
Limitations	This ICA1 antibody is available for research use only.



Western blot testing of 1) human SH-SY5Y, 2) human RT4, 3) human MCF7, 4) human K562, 5) rat pancreas, 6) rat brain, 7) mouse pancreas and 8) mouse brain tissue lysate with ICA1 antibody. Predicted molecular weight ~55 kDa but can also be observed at 64-69 kDa.

## **Description**

Islet cell autoantigen 1 is a protein that in humans is encoded by the ICA1 gene. It is mapped to 7p22. This gene encodes a protein with an arfaptin homology domain that is found both in the cytosol and as membrane-bound form on the Golgi complex and immature secretory granules. What's more, this protein is believed to be an autoantigen in insulin-dependent diabetes mellitus and primary Sjogren's syndrome. Several transcript variants encoding two different isoforms have been found for this gene.

# **Application Notes**

Optimal dilution of the ICA1 antibody should be determined by the researcher.

### **Immunogen**

Amino acids EKTSHTMAAIHESFKGYQPYEFTTLKSLQDPMKK of human ICA1 were used as the immunogen for the ICA1 antibody.

## **Storage**

After reconstitution, the ICA1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.