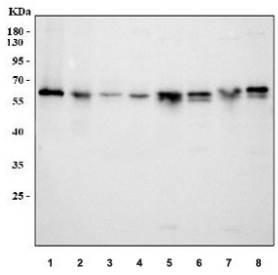
ICA1 Antibody / Islet cell autoantigen 1 (R32190)

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
Host	Rabbit
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.

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