

AP52139PU-N**Polyclonal Antibody to Islet cell autoantigen 1 / ICA1 (N-term) - Aff - Purified**

Alternate names:	69 kDa islet cell autoantigen, ICA69, ICAp69, Islet cell autoantigen p69
Quantity:	0.4 ml
Concentration:	lot specific
Background:	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. This protein is believed to be an autoantigen in insulin-dependent diabetes mellitus and primary Sjogren's syndrome. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.
Uniprot ID:	Q05084
NCBI:	NP_001129492
GeneID:	3382
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 83-111 amino acids from the N-terminal region of human Islet cell autoantigen 1 / ICA1
Format:	State: Liquid purified Ig fraction Purification: Protein A column, followed by peptide affinity purification Buffer System: PBS containing 0.09% (W/V) Sodium Azide as preservative
Applications:	ELISA: 1/1000. Western Blot: 1/100-1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Human Islet cell autoantigen 1 / ICA1 (N-term).
Add. Information:	Molecular Weight: 54645 Da
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Jin, Y., et al. Nat. Genet. 42(7):576-578(2010) Rose, J. Phd, et al. Mol. Med. (2010) In press Buffa, L., et al. Eur. J. Cell Biol. 87(4):197-209(2008) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) Gordon, T.P., et al. Lupus 13(6):483-484(2004)

Pictures:

Western blot analysis of ICA1 Antibody (N-term) Cat.-No AP52139PU-N in NCI-H460 cell line lysates (35ug/lane). This demonstrates the ICA1 antibody detected the ICA1 protein (arrow).

