10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ICA1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP16802a

Specification

ICA1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q05084

ICA1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 3382

Other Names
Islet cell autoantigen 1, 69 kDa islet cell autoantigen, ICA69, Islet cell autoantigen p69, ICAp69, p69, ICA1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

ICA1 Antibody (N-term) Blocking Peptide - Protein Information

Name ICA1

Function
May play a role in neurotransmitter secretion.

Cellular Location
Cytoplasm, cytosol. Golgi apparatus membrane; Peripheral membrane protein. Cytoplasmic vesicle, secretory vesicle membrane; Peripheral membrane protein. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane; Peripheral membrane protein. Note=Predominantly cytosolic. Also exists as a membrane-bound form which has been found associated with synaptic vesicles and also with the Golgi complex and immature secretory granules

Tissue Location
Expressed abundantly in pancreas, heart and brain with low levels of expression in lung, kidney, liver and thyroid

ICA1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

ICA1 Antibody (N-term) Blocking Peptide - Images

ICA1 Antibody (N-term) Blocking Peptide - Background

This gene encodes a protein with an arfaptin homologydomain that is found both in the cytosol and as membrane-bound formon the Golgi complex and immature secretory granules. This proteinis believed to be an autoantigen in insulin-dependent diabetesmellitus and primary Sjogren's syndrome. Alternatively splicedvariants which encode different protein isoforms have beendescribed; however, not all variants have been fully characterized.

ICA1 Antibody (N-term) Blocking Peptide - References

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)