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INS (Insulin) Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP7277c

Specification

INS (Insulin) Antibody (Center) Blocking peptide - Product Information

Primary Accession P01308

INS (Insulin) Antibody (Center) Blocking peptide - Additional Information

Gene ID 3630

Other Names
Insulin, Insulin B chain, Insulin A chain, INS

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7277c was selected from the Center region of human INS. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

INS (Insulin) Antibody (Center) Blocking peptide - Protein Information

Name INS

Function
Insulin decreases blood glucose

INS (Insulin) Antibody (Center) Blocking peptide - Background

After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into two chains (peptide A and peptide B) that are covalently linked via two disulfide bonds. Binding of this mature form of insulin to the insulin receptor (INSR) stimulates glucose uptake.

INS (Insulin) Antibody (Center) Blocking peptide - References

Nordquist,L., Diabetes Metab. Res. Rev. 24 (2), 165-168 (2008)Nordquist,L., (er) Am. J. Physiol. Regul. Integr. Comp. Physiol. (2007) In pressNaya,T., Angiology 58 (6), 677-684 (2007)

concentration. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver.

Cellular Location
Secreted.

INS (Insulin) Antibody (Center) Blocking peptide - Protocols

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

- Blocking Peptides