

REG3A Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9210a**Specification**

REG3A Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q06141](#)**REG3A Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 5068**Other Names**

Regenerating islet-derived protein 3-alpha, REG-3-alpha, Hepatointestinal pancreatic protein, HIP/PAP, Human proislet peptide, Pancreatitis-associated protein 1, Regenerating islet-derived protein III-alpha, Reg III-alpha, Regenerating islet-derived protein 3-alpha 165 kDa form, Regenerating islet-derived protein 3-alpha 15 kDa form, REG3A, HIP, PAP, PAP1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9210a](/products/AP9210a) was selected from the N-term region of human REG3A. 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.

REG3A Antibody (N-term) Blocking Peptide - Protein Information**Name** REG3A ([HGNC:8601](#))**Function**

[Regenerating islet-derived protein 3-alpha 15 kDa form]: Bactericidal C-type lectin which acts exclusively against Gram-positive bacteria and mediates bacterial killing by binding to surface-exposed carbohydrate moieties of peptidoglycan (PubMed: [16931762](http://www.uniprot.org/citations/16931762)). Binds membrane phospholipids and kills bacteria by forming a hexameric membrane-permeabilizing oligomeric pore (PubMed: [24256734](http://www.uniprot.org/citations/24256734)).

Cellular Location

Secreted. Note=Found in the apical region of pancreatic acinar cells

Tissue Location

Expressed by keratinocytes (PubMed:27830702). Highly expressed in epidermal keratinocytes of psoriasis patients (at protein level) (PubMed:22727489). Constitutively expressed in intestine. Low expression is found in healthy pancreas. Overexpressed during the acute phase of pancreatitis and in some patients with chronic pancreatitis (PubMed:1469087).

REG3A Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

REG3A Antibody (N-term) Blocking Peptide - Images**REG3A Antibody (N-term) Blocking Peptide - Background**

REG3A encodes a pancreatic secretory protein that may be involved in cell proliferation or differentiation. It has similarity to the C-type lectin superfamily. The enhanced expression of this protein is observed during pancreatic inflammation and liver carcinogenesis.

REG3A Antibody (N-term) Blocking Peptide - References

Medveczky,P., et.al., Biochem. J. 420 (2), 335-343 (2009)Scott,L.J., et.al, Proc. Natl. Acad. Sci. U.S.A. 106 (18), 7501-7506 (2009)Mukherjee,S., et.sl., J. Biol. Chem. 284 (8), 4881-4888 (2009)