

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

**REG3A Antibody (N-term) Blocking Peptide -
Protein Information****Name** REG3A**Synonyms** HIP, PAP, PAP1**Function**

Bactericidal C-type lectin which acts exclusively against Gram-positive bacteria and mediates bacterial killing by binding to surface-exposed carbohydrate moieties of peptidoglycan. Regulates keratinocyte proliferation and differentiation after skin injury via activation of EXTL3-PI3K-AKT signaling pathway.

Cellular Location

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

Tissue Location

Highly expressed in epidermal keratinocytes of psoriasis patients (at protein level). 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.

**REG3A Antibody (N-term) Blocking
Peptide - Protocols**

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

- [Blocking Peptides](#)