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REG3A Antibody (aa1-50)

Rabbit Polyclonal Antibody

Catalog # ALS14905

Specification

REG3A Antibody (aa1-50) - Product Information

Application	**IHC**
Primary Accession	Q06141
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**19kDa KDa**

REG3A Antibody (aa1-50) - 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 16.5 kDa form, Regenerating islet-derived protein 3-alpha 15 kDa form, REG3A, HIP, PAP, PAP1

Target/Specificity
Human REG3A

Reconstitution & Storage
Store at 4°C, stable for 6 months. For long term storage, aliquot and store at -20°C.

Precautions
REG3A Antibody (aa1-50) is for research use only and not for use in diagnostic or therapeutic procedures.

REG3A Antibody (aa1-50) - 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). Binds membrane phospholipids and kills bacteria by forming a hexameric membrane-permeabilizing oligomeric pore (PubMed:24256734).

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

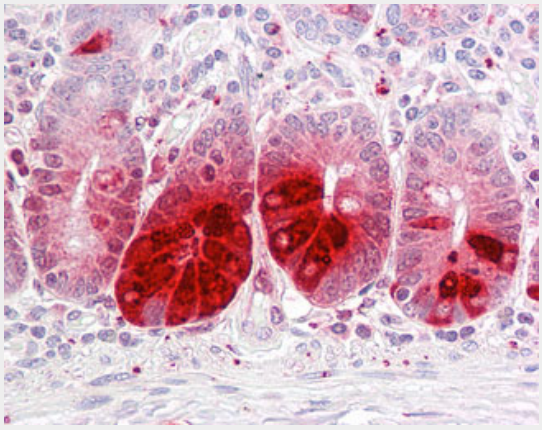
Tissue Location
Expressed by keratinocytes (PubMed:27830702). Highly expressed in epidermal keratinocytes of psoriasis patients (at protein level) (PubMed:22727489). Constitutively expressed in intestine. Low expression is found in healthy pancreas. Overexpressed during the acute phase of pancreatitis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

REG3A Antibody (aa1-50) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

REG3A Antibody (aa1-50) - Images



Anti-REG3A antibody IHC of human small intestine.

REG3A Antibody (aa1-50) - Background

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.

REG3A Antibody (aa1-50) - References

Itoh T.,et al.Biochim. Biophys. Acta 1172:184-186(1993).
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Dusetti N.J.,et al.Genomics 19:108-114(1994).
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