

REG3A Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20667c

Specification

REG3A Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O06141
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	19395

REG3A Antibody (Center) - 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

This REG3A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 105-139 amino acids from the Central region of human REG3A.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

REG3A Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

REG3A Antibody (Center) - 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

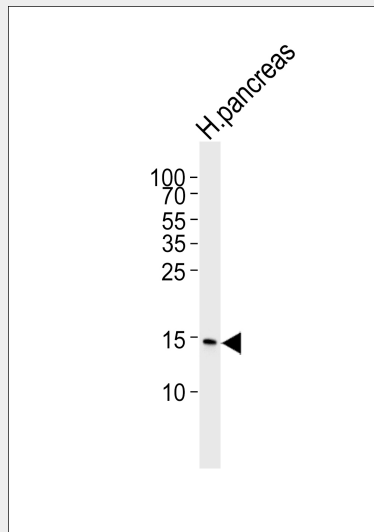
Expressed by keratinocytes (PubMed:27830702). Highly expressed in epidermal keratinocytes of psoriasis patients (at protein level) (PubMed:22727489). Constitutively expressed in intestine. Low expression is found in healthy pancreas. Overexpressed during the acute phase of pancreatitis and in some patients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

REG3A Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

REG3A Antibody (Center) - Images



Western blot analysis of lysate from human pancreas tissue lysate, using REG3A Antibody (Center)(Cat. #AP20667c). AP20667c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

REG3A Antibody (Center) - 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 (Center) - References

Itoh T., et al. *Biochim. Biophys. Acta* 1172:184-186(1993).

Orelle B., et al. *J. Clin. Invest.* 90:2284-2291(1992).

Lasserre C., et al. *Cancer Res.* 52:5089-5095(1992).

Duseti N.J., et al. *Genomics* 19:108-114(1994).

Lasserre C., et al. *Eur. J. Biochem.* 224:29-38(1994).