10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

REG3A Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20667c

Product Information

Application	WB, E
Primary Accession	Q06141
Reactivity	Human, Mouse
Predicted	Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB48750
Calculated MW	19395

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 E~~Use at an assay dependent concentration.
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.

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).

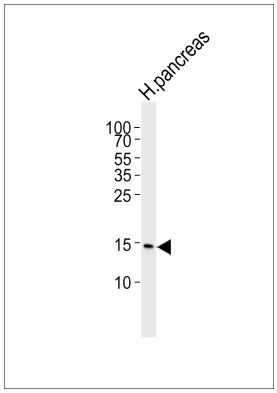
Background

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.

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).
Dusetti N.J.,et al.Genomics 19:108-114(1994).
Lasserre C.,et al.Eur. J. Biochem. 224:29-38(1994).

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.