

Rabbit anti-Human REG1B Polyclonal Antibody | anti-REG1B antibody

Anti-REG1B Antibody, Rabbit Polyclonal

CATALOG # AAA255444	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
-------------------------------	-----------------------	----------------------------	--

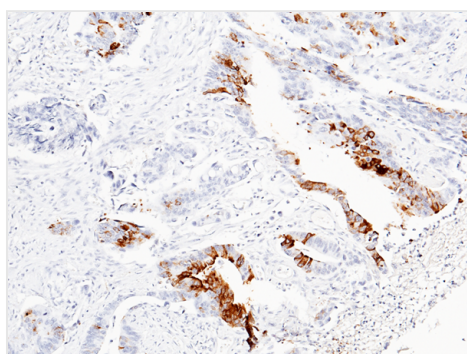
PRODUCT SYNONYMS

REG1B; Polyclonal Antibody; Anti-REG1B Antibody; Rabbit Polyclonal; REG1B/PSPS2 Antibody; Rabbit PAb; Antigen Affinity Purified; regenerating islet-derived 1 beta; Anti-PSPS2 Antibody; Anti-REGH Antibody; Anti-REGI-BETA Antibody; Anti-REGL Antibody; anti-REG1B antibody

PRODUCT SPECIFICATIONS

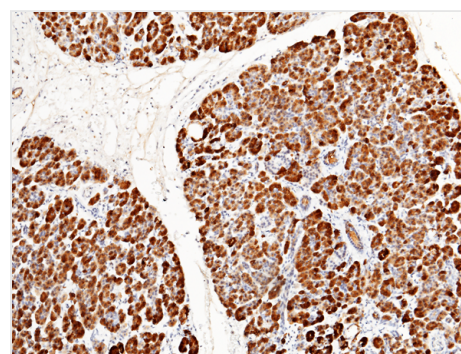
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human REG1B/PSPS2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-REG1B antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human REG1B protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human REG1B (rh REG1B). REG1B specific IgG was purified by human REG1B affinity chromatography .
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human REG1B in human colon carcinoma with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human REG1B in human pancreas with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-REG1B antibody	Regenerating gene (Reg), first isolated from a regenerating islet cDNA library, encodes a secretory protein with a growth stimulating effect on pancreatic beta cells, and could be associated with fibrocalculous pancreatopathy. Reg and Reg-related genes which were expressed in various organs have been revealed to constitute a multigene family, the Reg family consisting of four subtypes (types I, II, III, IV) and are involved in cancers and neurodegenerative diseases. Regenerating islet-derived 1 beta (REG1B), also known as Lithostathine-1-beta and Pancreatic stone protein 2 (PSPS2), is a types I Reg protein and contains one typical C-type lectin domain. REG1B is a 166-amino acid protein that has 22 amino acid substitutions in comparison with the previously isolated human REG1A, and it is was expressed only in pancreas. REG1B is normally found in the exocrine pancreas, whereas in other tissues it appears either only under pathological conditions, such as Alzheimer's disease (brain), cancer (colon), or during regeneration such as neuronal sprouting in brain and pancreas regeneration. REG1B might act as an inhibitor of spontaneous calcium carbonate precipitation. The REG1A and REG1B gene and proteins could play different roles in the pancreas.
References	Moriizumi S, et al. (1994) Isolation, structural determination and expression of a novel reg gene, human regl beta. Biochim Biophys Acta. 1217(2): 199-202.Sanchez D, et al. (2001) Preferential expression of reg I beta gene in human adult pancreas. Biochem Biophys Res Commun. 284(3): 729-37.Boonyasrisawat W, et al. (2002) Analysis of the reg1alpha and reg1beta gene transcripts in patients with fibrocalculous pancreatopathy. Southeast Asian J Trop Med Public Health. 33(2): 365-72.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835248
NCBI GeneID	5968
NCBI Accession #	NP_006498.1
NCBI GenBank Nucleotide #	NM_006507.3
UniProt Accession #	P48304
Molecular Weight	18,665 Da
NCBI Official Full Name	lithostathine-1-beta
NCBI Official Synonym Full Names	regenerating islet-derived 1 beta
NCBI Official Symbol	REG1B
NCBI Official Synonym Symbols	REGH; REGL; PSPS2; REGI-BETA
NCBI Protein Information	lithostathine-1-beta; PSP-2; REG-1-beta; lithostathine 1 beta; pancreatic stone protein 2; regenerating islet-derived 1 beta (pancreatic stone protein, pancreatic thread protein); regenerating islet-derived protein 1-beta; regenerating protein I beta; sec
UniProt Protein Name	Lithostathine-1-beta
UniProt Gene Name	REG1B
UniProt Synonym Gene Names	PSPS2; REGL; PSP-2; REG-1-beta
UniProt Entry Name	REG1B_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/reg1b-antibody-immunohistochemistry-elisa/255444>