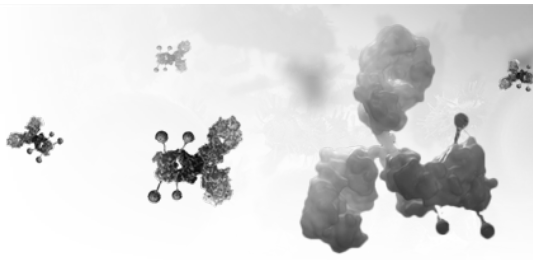

Rabbit Anti-Human REG1B monoclonal antibody, clone S119 (CABT-ZB629)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human REG1B
Target	REG1B
Immunogen	Recombinant Human REG1B Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S119
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB629 - CABT-ZB976 This antibody will detect REG1B in antibody pair set. [ABPR-ZB208]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human REG1B.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

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Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	REG1B; regenerating islet-derived 1 beta; regenerating islet derived 1 beta (pancreatic stone protein, pancreatic thread protein); lithostathine-1-beta

GENE INFORMATION

Synonyms	REG1B; regenerating islet-derived 1 beta; regenerating islet derived 1 beta (pancreatic stone protein, pancreatic thread protein); lithostathine-1-beta; lithostathine 1 beta; PSPS2; REGH; REGI BETA; REGL; secretory pancreatic stone protein 2; Lithostathin
Entrez Gene ID	5968
UniProt ID	P48304

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