

ARG41304 anti-REG1 alpha antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes REG1 alpha
Tested Reactivity	Hu
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	REG1 alpha
Species	Human
Immunogen	Synthetic peptide located within the following region: SLVSYKSWGIGAPSSVNPGYCVSLTSSTGFQKWKDVPCEDKFSFVCKFKN
Conjugation	Un-conjugated
Alternate Names	Islet cells regeneration factor; Regenerating protein I alpha; Lithostathine-1-alpha; Islet of Langerhans regenerating protein; PSPS1; ICRF; REG-1-alpha; Regenerating islet-derived protein 1-alpha; P19; PSP; Pancreatic thread protein; PSPS; REG; Pancreatic stone protein; PTP

Application Instructions

Application table	Application	Dilution
	WB	1 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Human fetal liver	
Observed Size	13 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

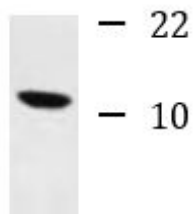
before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	REG1A
Gene Full Name	regenerating islet-derived 1 alpha
Background	This gene is a type I subclass member of the Reg gene family. The Reg gene family is a multigene family grouped into four subclasses, types I, II, III and IV, based on the primary structures of the encoded proteins. This gene encodes a protein that is secreted by the exocrine pancreas. It is associated with islet cell regeneration and diabetogenesis and may be involved in pancreatic lithogenesis. Reg family members REG1B, REGL, PAP and this gene are tandemly clustered on chromosome 2p12 and may have arisen from the same ancestral gene by gene duplication. [provided by RefSeq, Jul 2008]
Function	Might act as an inhibitor of spontaneous calcium carbonate precipitation. May be associated with neuronal sprouting in brain, and with brain and pancreas regeneration. [UniProt]
Calculated Mw	19 kDa
PTM	The composition of the O-linked carbohydrate on Thr-27 is complex and varied. In the crystallographic structure, the attached sugar appears to be N-acetylglucosamine, typical of an intracellular protein, rather than N-acetylgalactosamine. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



Human fetal liver

ARG41304 anti-REG1 alpha antibody WB image

Western blot: Human fetal liver lysate stained with ARG41304 anti-REG1 alpha antibody at 1 µg/ml dilution.