



Rabbit Anti-REG1A antibody

SL6183R

Product Name:	REG1A
Chinese Name:	胰岛细胞再生因子ICRF抗体
Alias:	ICRF; Islet cells regeneration factor; Islet of Langerhans regenerating protein; Lithostathine 1 beta; Lithostathine-1-alpha; P19; Pancreatic stone protein 2; Pancreatic stone protein; Pancreatic thread protein; PSP; PSPS; PSPS1; PSPS2; PTP; REG 1 beta; REG; REG-1-alpha; REG1A; REG1A_HUMAN; REG1B; Regenerating islet derived protein 1 beta; Regenerating islet-derived protein 1-alpha; Regenerating protein I alpha; REGL.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	16kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human REG1A/REG1 alpha:101-166/166
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Reg protein is stimulated during the regeneration of pancreatic islets. In human, there

are four REG family genes; REG 1 alpha, REG 1 beta, REG-related sequence (RS) and HIP/PAP. These Reg-related proteins are classified into four subfamilies according to their amino-acid sequences, but they share a similar structure and physiological function.

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.

Subcellular Location:

Secreted.

Tissue Specificity:

In pancreatic acinar cells and, in lower levels, in brain. Enhanced expression of PSP-related transcripts and intraneuronal accumulation of PSP-like proteins is found in brain from Alzheimer disease and Down syndrome patients.

Post-translational modifications:

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.

Similarity:

Contains 1 C-type lectin domain.

SWISS:

P05451

Gene ID:

5967

Database links:

[Entrez Gene: 5967](#)Human

[Omim: 167770](#)Human

[SwissProt: P05451](#)Human

[Unigene: 4158](#)Human

[Unigene: 49407](#)Human

[Unigene: 708865](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

	therapeutic or diagnostic applications.
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