SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-REG1A antibody

Catalog Number: SL6183R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	REG1A
Immunogen:	KLH conjugated synthetic peptide derived from human REG1A/REG1 alpha: 101-166/166
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human)
Predicted MW.:	16kDa
Subcellular Location:	Secretory protein
Background:	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.

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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	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. **Database links:** **Entrez Gene:** 5967 Human Omim: 167770 Human **SwissProt:** P05451 Human **Unigene:** 4158 Human **Unigene:** 49407 Human **Unigene:** 708865 Human

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