10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

REG1A Rabbit pAb

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Catalog # AP58391

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P05451
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18731
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human REG1A/REG1 alpha
Epitope Specificity	101-166/166
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	5967
Other Names	Lithostathine-1-alpha, Islet cells regeneration factor, ICRF, Islet of Langerhans regenerating protein, REG, Pancreatic stone protein, PSP, Pancreatic thread protein, PTP, Regenerating islet-derived protein 1-alpha, REG-1-alpha, Regenerating protein I alpha, REG1A, PSPS, PSPS1, REG
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	REG1A
Synonyms	PSPS, PSPS1, REG
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.
Cellular Location	Secreted.
Tissue Location	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.

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.