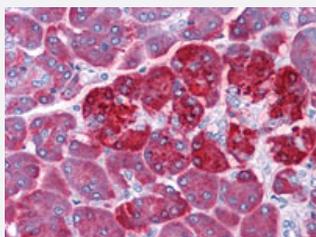


REG1A monoclonal antibody, clone 1A4

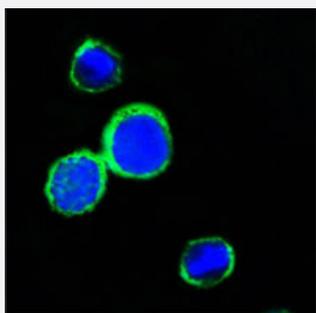
Catalog # MAB10312 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human pancreas tissue using REG1A monoclonal antibody, clone 1A4 (Cat # MAB10312) with DAB staining.



Immunofluorescence

Confocal immunofluorescence analysis of PC-12 cells using REG1A monoclonal antibody, clone 1A4 (Cat # MAB10312) (green). Blue: DRAQ5 fluorescent DNA dye.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant REG1A.
Immunogen	Recombinant protein corresponding to human REG1A.
Host	Mouse
Theoretical MW (kDa)	19
Reactivity	Human
Form	Liquid
Isotype	IgG1

Recommend Usage	<p>ELISA (1:10000)</p> <p>Immunohistochemistry (1:200-1:1000)</p> <p>Immunofluorescence (1:200-1:1000)</p> <p>The optimal working dilution should be determined by the end user.</p>
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	<p>Store at 4°C. For long term storage store at -20°C.</p> <p>Aliquot to avoid repeated freezing and thawing.</p>
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human pancreas tissue using REG1A monoclonal antibody, clone 1A4 (Cat # MAB10312) with DAB staining.

- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — REG1A

Entrez GeneID	5967
Gene Name	REG1A
Gene Alias	ICRF, MGC12447, P19, PSP, PSPS, PSPS1, PTP, REG
Gene Description	regenerating islet-derived 1 alpha
Omim ID	167770
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

OTTHUMP00000160485|islet cells regeneration factor|islet of langerhans regenerating protein|lithostathine 1 alpha|pancreatic stone protein, secretory|pancreatic thread protein|protein-X|regenerating islet-derived 1 alpha (pancreatic stone protein, pancrea

Disease

- [Calcinosis](#)
- [Diabetes Mellitus](#)
- [Pancreatitis](#)
- [Tobacco Use Disorder](#)