

Anti-REG3G Antibody (1Z446)

Product Details

Ig Type:	IgG1, k
Reactivity:	Human
Molecular Weight:	Theoretical: 17 kDa. Actual: 17 kDa.
Clone:	1Z446
Purification:	Protein G purified

Applications

Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (human pancreas tissue sections); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (REG3G) Monoclonal Antibody, Unconjugated (TMAB-12178) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.
	2. Sample: Lane 1: Human Pancreas tissue lysates Primary: Anti-REG3G (TMAB-12178) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 17 kD Observed band size: 17 kD
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-1000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human REG3G
Antigen Species:	Human
Gene ID:	130120
Uniprot ID:	Q6UW15

Research Background

The regeneration (REG) family consists of secretory proteins involved in liver, pancreatic, gastric and intestinal cell proliferation or differentiation. Members of the REG family are divided into four subclasses, designated types I, II, III and IV, all of which share a common gene structure containing five introns and six exons. Members of the Reg family have been implicated in the regulation of cell growth, tumorigenesis and the progression of cancer. Reg III (regenerating islet-derived 3 gamma), also known as pancreatitis-associated protein 1B, PAP1B, or UNQ429, is a 175 amino acid secreted protein that is expressed almost exclusively in pancreas, with low levels of expression in testis.

A DRUG SCREENING EXPERT

Reg III functions as an antimicrobial protein involved in controlling bacterial proliferation and may be induced during acute pancreatitis. The gene encoding Reg III maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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