

Reg III δ (M-42): sc-98476

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. They have been implicated in the regulation of cell growth, tumorigenesis and the progression of cancer. While there are only two human Reg proteins, namely Reg III α and Reg III γ , four members of the Reg family exist in mice and are known as Reg III α , Reg III β , Reg III γ and Reg III δ . Reg III δ (regenerating islet-derived 3 delta), also known as Ingapp, is a 98 amino acid mouse protein that belongs to the Reg family and, as such, may be involved in the regulation of cell growth and differentiation.

REFERENCES

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3. Yu, T.T., et al. 2005. Differentially expressed transcripts from phenotypically identified olfactory sensory neurons. *J. Comp. Neurol.* 483: 251-262.
4. Namikawa, K., et al. 2005. Expression of Reg/PAP family members during motor nerve regeneration in rat. *Biochem. Biophys. Res. Commun.* 332: 126-134.
5. Chen, C.Y., et al. 2005. The value of biliary amylase and hepatocarcinoma-intestine-protein I (HIP/PAP-I) in diagnosing biliary malignancies. *Clin. Biochem.* 38: 520-525.
6. Jamal, A.M., et al. 2005. Morphogenetic plasticity of adult human pancreatic islets of Langerhans. *Cell Death Differ.* 12: 702-712.
7. Yuan, R.H., et al. 2005. Opposite roles of human pancreatitis-associated protein and REG1A expression in hepatocellular carcinoma: association of pancreatitis-associated protein expression with low-stage hepatocellular carcinoma, β -catenin mutation, and favorable prognosis. *Clin. Cancer Res.* 11: 2568-2575.
8. Nordback, I., et al. 2005. Is it long-term continuous drinking or the post-drinking withdrawal period that triggers the first acute alcoholic pancreatitis? *Scand. J. Gastroenterol.* 40: 1235-1239.
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CHROMOSOMAL LOCATION

Genetic locus: Reg3d (mouse) mapping to 6 C3.

SOURCE

Reg III δ (M-42) is a rabbit polyclonal antibody raised against amino acids 39-80 mapping within an internal region of Reg III δ of mouse origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

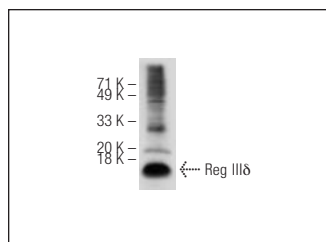
Reg III δ (M-42) is recommended for detection of Reg III δ of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Reg III δ siRNA (m): sc-106497, Reg III δ shRNA Plasmid (m): sc-106497-SH and Reg III δ shRNA (m) Lentiviral Particles: sc-106497-V.

Molecular Weight of Reg III δ : 11 kDa.

Positive Controls: mouse spleen extract: sc-2391.

DATA



Reg III δ (M-42): sc-98476. Western blot analysis of Reg III δ expression in mouse spleen tissue extract.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.