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11-4064: Polyclonal Antibody to REG3A

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	REG3A
Gene ID :	5068
Uniprot ID :	Q06141
Format :	Purified
Alternative Name :	REG3A,HIP,PAP,PAP1
Isotype :	Rabbit IgG
Immunogen Information :	A full length recombinant REG3A protein was used as the immunogen for this antibody.

Description

Regenerating islet-derived protein 3-alpha (REG3A), also known as hepatocarcinoma-intestine-pancreas/ pancreatitis-associated protein (HIP/PAP), is a secreted intestinal antimicrobial protein that functions in the control of the bacterial proliferation. It is normally expressed in pancreatic acinar and endocrine cells. REG3A is highly expressed in keratinocytes during psoriasis and wound repair and in imiquimod-induced psoriatic skin lesions. The expression of REG3A by keratinocytes is induced by interleukin-17 (IL-17) via activation of keratinocyte-encoded IL-17 receptor A (IL-17RA) and feeds back on keratinocytes to inhibit terminal differentiation and increase cell proliferation by binding to exostosin-like 3 (EXTL3). REG3A stimulates Beta-cell replication, by activating PI3K and Akt kinase and by increasing the levels of cyclin D1/CDK4. REG3A may be involved in cell recognition and adhesion, and also in the protection of cells from oxidative stress-induced apoptosis. REG3A mRNA expression is significantly down-regulated in gastric cancer mucosa, suggesting that the downregulation of REG3A occurs frequently in human gastric cancers and might be useful for a gastric cancer marker.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 0.1-0.5 µg/ml

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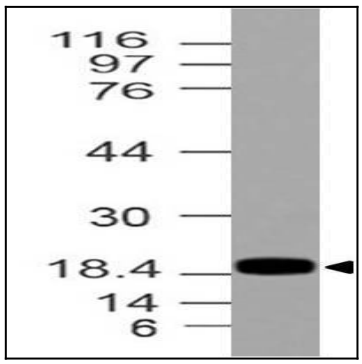


Fig-1: Westren blot analysis of REG3A. Anti-REG3A antibody (11-4064) was used at 0.1 µg/ml on h Intestine lysate.

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