



Probetacellulin Polyclonal Antibody

E20-75642

Catalog Number:E20-75642

Host Species:Polyclonal, Rabbit

Purification:The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Immunogen Description:The antiserum was produced against synthesized peptide derived from the Internal region of human BTC. AA range:21-70

Calculated MW:19746Da

Formulation:Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Gene Name:BTC

Dilution:Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

Protein Name:Probetacellulin

Human Gene Id:685

Human Swiss Prot No:P35070

Mouse Gene Id:12223

Mouse Swiss Prot No:Q05928

Specificity:Probetacellulin Polyclonal Antibody detects endogenous levels of Probetacellulin protein.

Concentration:1 mg/ml

Storage Stability:-20°C/1 year

Other Name:BTC; Probetacellulin

Observed Band(KD):20

Background:betacellulin(BTC) Homo sapiens This gene encodes a member of the epidermal growth factor (EGF) family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the secreted growth factor. A secreted form and a membrane-anchored form of this protein bind to multiple different EGF receptors. This protein promotes pancreatic cell proliferation and insulin secretion, as well as retinal vascular permeability. Mutations in this gene may be associated with type 2 diabetes in human patients.

[provided by RefSeq, Nov 2015],

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Function:disease:Betacellulin from beta cells could play a role in the vascular complications associated with diabetes.,function:Potent mitogen for retinal pigment epithelial cells and vascular smooth muscle cells. The effects of betacellulin are probably mediated by the EGF receptor and other related receptors.,similarity:Contains 1 EGF-like domain.,subunit:Monomer.,tissue specificity:Synthesized in several tissues and tumor cells. Predominantly expressed in pancreas and small intestine.,

Subcellular Location:extracellular region,extracellular space,intracellular,plasma membrane,integral component of membrane,

Expression:Mammary gland,Ovary,

