

Beta cellulin Rabbit pAb

Catalog # AP96580

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	9 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Betacellulin
Epitope Specificity	1-100/178
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 EGF-like domain.
SUBUNIT	Monomer. Interacts with EGFR and ERBB4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Betacellulin (BTC), a member of the epidermal growth factor (EGF) family, was originally identified as a growth-promoting factor in the conditioned medium of a mouse pancreatic-cell carcinoma (insulinoma) cell line and has since been identified in humans. BTC is synthesized as a large transmembrane precursor molecule that can be cleaved proteolytically to release the soluble form of BTC or function as membrane-anchored growth factors in juxtacrine signaling. BTC, in addition to stimulating homodimers of ErbB-1 and ErbB-4, is capable of binding and activating all possible combinations of heterodimeric ErbB receptors including the oncogenic ErbB-2/ErbB-3 complex. BTC is also expressed in some human malignancies and may have an important role in tumor growth progression.

Additional Information

Gene ID	685
Other Names	betacellulin; probetacellulin; beta cellulin; beta cellulin precursor; BTC; BTC_HUMAN; OTTHUMP00000160600; OTTHUMP00000219057; Probetacellulin.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.