

BTC Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11669a**Specification**

BTC Antibody (N-term) - Product Information

Application	IF, FC, IHC-P, WB,E
Primary Accession	P35070
Other Accession	NP_001720.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	19746
Antigen Region	17-45

BTC Antibody (N-term) - Additional Information**Gene ID** 685**Other Names**

Probetacellulin, Betacellulin, BTC, BTC

Target/Specificity

This BTC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-45 amino acids from the N-terminal region of human BTC.

Dilution

IF~~1:10~50
FC~~1:10~50
IHC-P~~1:10~50
WB~~1:1000
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

BTC Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

BTC Antibody (N-term) - Protein Information

Name BTC

Function Growth factor that binds to EGFR, ERBB4 and other EGF receptor family members. Potent mitogen for retinal pigment epithelial cells and vascular smooth muscle cells.

Cellular Location

[Betacellulin]: Secreted, extracellular space.

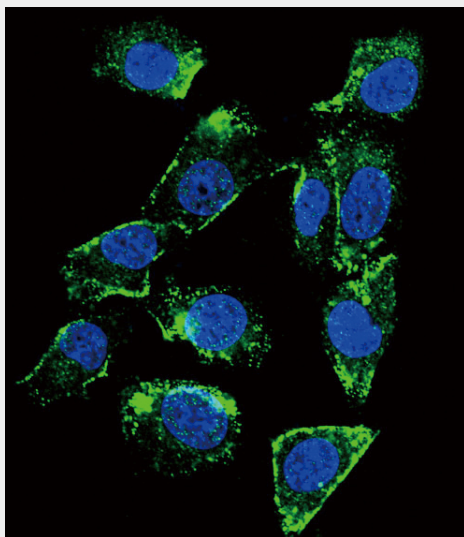
Tissue Location

Synthesized in several tissues and tumor cells. Predominantly expressed in pancreas and small intestine

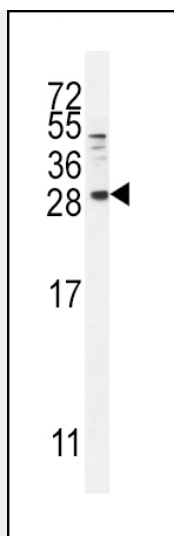
BTC Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

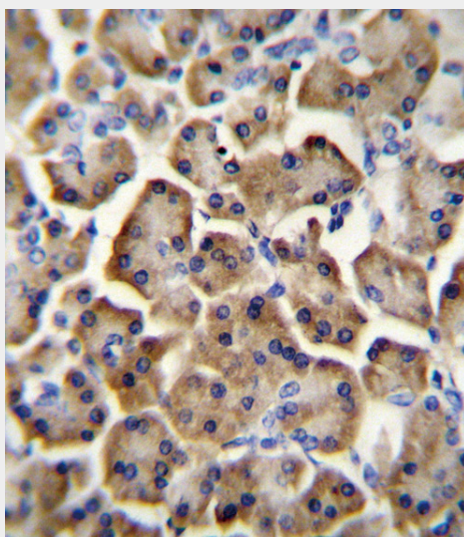
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BTC Antibody (N-term) - Images

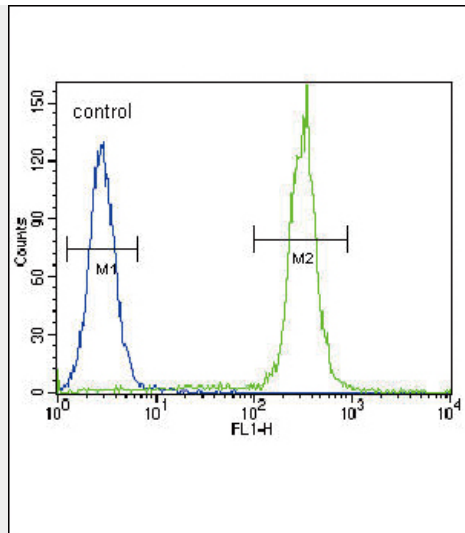
Confocal immunofluorescent analysis of BTC Antibody (N-term)(Cat#AP11669a) with MDA-MB231 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



BTC Antibody (N-term) (Cat. #AP11669a) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the BTC antibody detected the BTC protein (arrow).



BTC Antibody (N-term) (Cat. #AP11669a) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of BTC Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



BTC Antibody (N-term) (Cat. #AP11669a) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

BTC Antibody (N-term) - Background

The protein encoded by this gene is a member of the EGF family of growth factors. It is synthesized primarily as a transmembrane precursor, which is then processed to mature molecule by proteolytic events. This protein is a ligand for the EGF receptor.

BTC Antibody (N-term) - References

Stoeck, A., et al. J. Cell. Sci. 123 (PT 13), 2319-2331 (2010) :
Genetos, D.C., et al. Cell Tissue Res. 340(1):81-89(2010)
Nagaoka, T., et al. J. Mol. Biol. 380(1):83-94(2008)
Revillion, F., et al. Ann. Oncol. 19(1):73-80(2008)
Moss, M.L., et al. J. Biol. Chem. 282(49):35712-35721(2007)