Datasheet for ABIN950656

anti-Betacellulin antibody (N-Term)

4 Images

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Overview

Quantity:	0.4 mL
Target:	Betacellulin (BTC)
Binding Specificity:	AA 24-54, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Betacellulin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 24-54 amino acids from the N-terminal region of human BTC
Isotype:	Ig Fraction
Specificity:	This antibody reacts to Betacellulin.
Purification:	Saturated Ammonium Sulfate (SAS) precipitation

Target Details

Target:	Betacellulin (BTC)
Alternative Name:	Betacellulin (BTC Products)

Target Details

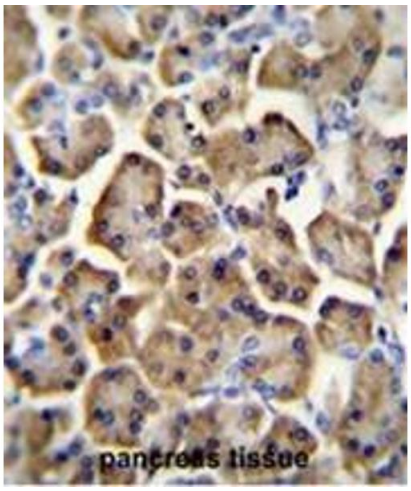
Background:	The protein encoded by this gene is a member of the EGF family of growth factors. It is synthesized primarily as a transmembrane precursor, which is then processed to mature molecule by proteolytic events. This protein is a ligand for the EGF receptor.Synonyms: BTC, Probetacellulin
Molecular Weight:	19746 Da
Gene ID:	685
NCBI Accession:	NP_001720
Pathways:	RTK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

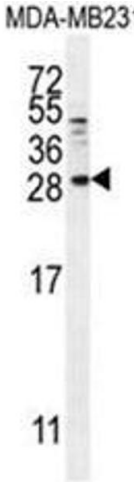
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



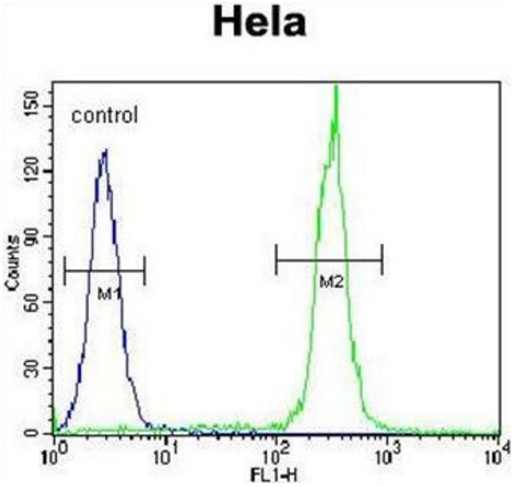
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. BTC Antibody (N-term) 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.



Western Blotting

Image 2. BTC Antibody (N-term) western blot analysis in MDA-MB231 cell line lysates (35µg/lane).This demonstrates the BTC antibody detected the BTC protein (arrow).



Flow Cytometry

Image 3. BTC Antibody (N-term) 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.

Please check the product details page for more images. Overall 4 images are available for ABIN950656.