

Rabbit BTC Polyclonal Antibody | anti-BTC antibody

BTC Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326787	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

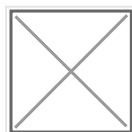
PRODUCT SYNONYMS

BTC; Polyclonal Antibody; BTC Antibody; Betacellulin; Betacellulin precursor; BTC_HUMAN; OTTHUMP00000160600; OTTHUMP00000219057; Probetacellulin; anti-BTC antibody

PRODUCT SPECIFICATIONS

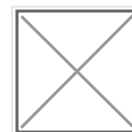
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BTC antibody detects endogenous levels of total BTC
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	129
Applicable Applications for anti-BTC antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human BTC
Subcellular Location	Cell Membrane and Secreted > Extracellular Space.
Tissue Specificity	Synthesized in several tissues and tumor cells. Predominantly expressed in pancreas and small intestine.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit
Similarity	Bovine (82%), Horse (82%), Sheep (82%), Rabbit (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of HeLa cell lysate, using BTC Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA326787 staining 293 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from 293, using BTC Antibody. Lane 1 was treated with the blocking peptide.



IHC (Immunohistochemistry)

AAA326787 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-BTC antibody

Description: 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.

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.

Subunit Structure: Monomer. Interacts with EGFR and ERBB4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	948284407
NCBI GeneID	685
NCBI Accession #	NP_001303892.1
NCBI GenBank Nucleotide #	NM_001316963.1
UniProt Accession #	P35070; Q96F48
Molecular Weight	Observed: 20 kDa Predicted: 20 kDa
NCBI Official Full Name	probetacellulin isoform 2
NCBI Official Synonym Full Names	betacellulin
NCBI Official Symbol	BTC
NCBI Protein Information	probetacellulin
UniProt Protein Name	Probetacellulin
UniProt Gene Name	BTC
UniProt Synonym Gene Names	BTC

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/btc-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326787>