

For Research Use Only

BTC Monoclonal ANTIBODY



Catalog Number: 66683-1-Ig

Basic Information

Catalog Number:
66683-1-Ig

Size:
150 µg/150 µl

Source:
Mouse

Isotype:
IgG1

Purification Method:
Protein G purification

Immunogen Catalog Number:
AC26724

GenBank Accession Number:
BC011618

GeneID (NCBI):
685

Full Name:
betacellulin

Calculated MW:
20 kDa

Observed MW:
20 kDa

Recommended Dilutions:
WB 1:5000-1:10000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MCF-7 cells; BxPC-3 cells, DU 145 cells, T-47D cells

Background Information

Betacellulin (BTC), a member of the epidermal growth factor (EGF) family, binds and activates ErbB1 and ErbB4 homodimers. BTC 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 was expressed in tumors and involved in tumor growth progression.

Notable Publications

Author	Pubmed ID	Journal	Application
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Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

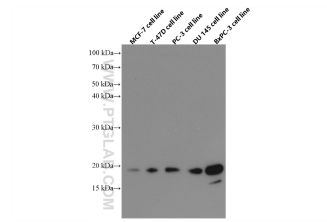
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 6683-1-Ig (BTC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours