

BTC Monoclonal antibody

Catalog Number: 66683-1-Ig **2 Publications**

Basic Information

Catalog Number:

66683-1-Ig

Size:

1800 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG26724

GenBank Accession Number:

BC011618

GeneID (NCBI):

685

UNIPROT ID:

P35070

Full Name:

betacellulin

Calculated MW:

20 kDa

Observed MW:

20 kDa

Purification Method:

Protein G purification

CloneNo.:

2H5E8

Recommended Dilutions:

WB 1:5000-1:10000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB : MCF-7 cells, NCCIT cells, A549 cells, MDA-MB-231 cells, T-47D cells, PC-3 cells, BxPC-3 cells, DU 145 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 |
|----------------|-----------|-------------------|-------------|
| Ting Shen | 35846125 | Front Genet | WB, IHC |
| Yingjian Huang | 34358528 | J Invest Dermatol | WB |

Storage

Storage:

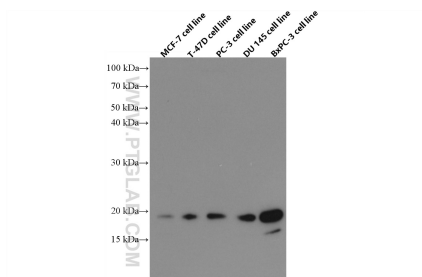
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66683-1-Ig (BTC antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.