

For Research Use Only

BTC Monoclonal antibody

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



Basic Information

| | | |
|---|--|---|
| Catalog Number: 66683-1-Ig | GenBank Accession Number: BC011618 | Purification Method: Protein G purification |
| Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 685 | CloneNo.: 2H5E8 |
| Source: Mouse | Full Name: betacellulin | Recommended Dilutions: WB 1:5000-1:10000 |
| Isotype: IgG1 | Calculated MW: 20 kDa | |
| Immunogen Catalog Number: AG26724 | Observed MW: 20 kDa | |

Applications

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|---|---|
| Tested Applications: WB,ELISA | 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 |
| Cited Applications: WB | |
| Species Specificity: Human | |
| Cited Species: human | |

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 |
|----------------|-----------|-------------------|-------------|
| Yingjian Huang | 34358528 | J Invest Dermatol | WB |

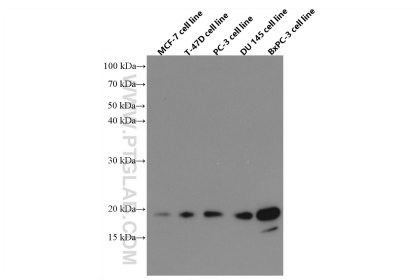
Storage

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

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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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.