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BTC Recombinant Mouse mAb

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Catalog # AP94289

Product Information

Application	WB, IF, ICC
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG1, Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane and Secreted > extracellular space.
SIMILARITY	Contains 1 EGF-like domain.
SUBUNIT	Monomer. Interacts with EGFR and ERBB4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Betacellulin (BTC), a member of the epidermal growth factor (EGF) family, was originally identified as a growth-promoting factor in the conditioned medium of a mouse pancreatic-cell carcinoma (insulinoma) cell line and has since been identified in humans. BTC is synthesized as a large transmembrane precursor molecule that can be cleaved proteolytically to release the soluble form of BTC or function as membrane-anchored growth factors in juxtacrine signaling. BTC, in addition to stimulating homodimers of ErbB-1 and ErbB-4, is capable of binding and activating all possible combinations of heterodimeric ErbB receptors including the oncogenic ErbB-2/ErbB-3 complex. BTC is also expressed in some human malignancies and may have an important role in tumor growth progression.

Additional Information

Target/Specificity	Synthesized in several tissues and tumor cells. Predominantly expressed in pancreas and small intestine.
Dilution	WB=1:500-1:1000,ICC/IF=1:50
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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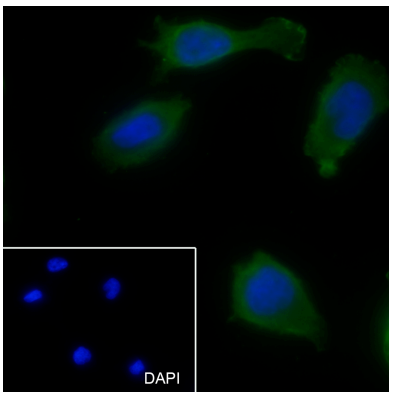
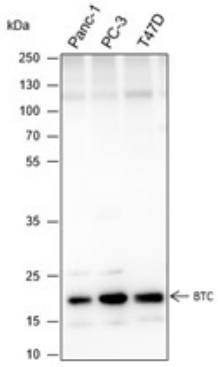
Images



Cell line: PC-3 Fixative: 4% Paraformaldehyde Permeabilization: 0.1% TritonX-100 Primary ab dilution: 1:50 Primary incubation condition: 4°C overnight Secondary ab: Goat Anti-Mouse IgG Nuclear counter stain: DAPI (Blue) Comment: Color green is the positive signal for AP94289



Blocking buffer: 5% NFDM/TBST Primary ab dilution: 1:1000 Primary ab incubation condition: room temperature 2h Secondary ab: Goat Anti-Mouse IgG H&L (HRP) Lysate: Panc-1, PC-3, T47D Protein loading quantity: 20 µg Exposure time: 30 s Predicted MW: 20 kDa Observed MW: 20 kDa