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Anti-Probetacellulin Antibody

Catalog # AP59492

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P35070
Reactivity	Human, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	19746

Additional Information

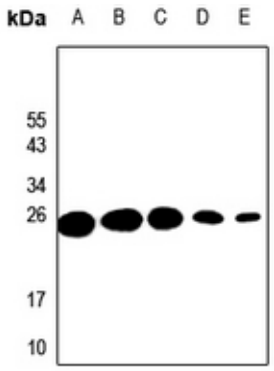
Gene ID	685
Other Names	Probetacellulin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Probetacellulin. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

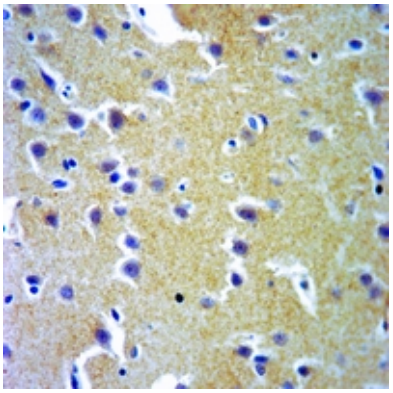
Name	BTC
Function	Growth factor that binds to EGFR, ERBB4 and other EGF receptor family members. Potent mitogen for retinal pigment epithelial cells and vascular smooth muscle cells.
Cellular Location	[Betacellulin]: Secreted, extracellular space.
Tissue Location	Synthesized in several tissues and tumor cells. Predominantly expressed in pancreas and small intestine

Images

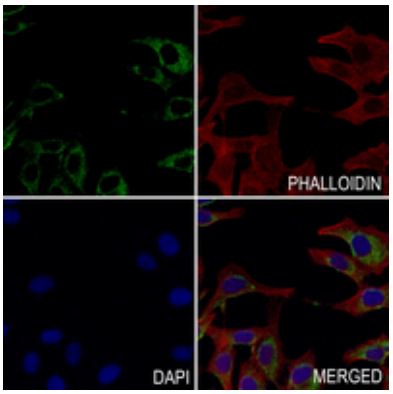
Western blot analysis of Probetacellulin expression in MCF7 (A), U87MG (B), A549 (C), Hela (D), PC12 (E) whole



cell lysates. (Predicted band size: 19 kD; Observed band size: 25 kD)



Immunohistochemical analysis of Probetacellulin staining in human tonsil cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Probetacellulin staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.