BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CCK4 (PTK7) Antibody (N-term)

Catalog Number: A02957-2

About PTK7

CCK4 may function as a cell adhesion molecule. Although it belongs to the insuline receptor subfamily of the Tyr protein kinases, it likely lacks the catalytic activity of a tyrosine kinase. It may be connected to the pathophysiology of colon carcinomas and/or may represent a tumor progression marker. This Type I membrane protein is highly expressed in lung, liver, pancreas, kidney, placenta and melanocytes, but weakly expressed in thyroid gland, ovary, brain, heart and skeletal muscle, and not in colon. It is also expressed in erythroleukemia cells.

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Overview

Product Name	Anti-CCK4 (PTK7) Antibody (N-term)
Reactive Species	Human
Description	Boster Bio Anti-CCK4 (PTK7) Antibody (N-term) (Catalog # A02957-2). Tested in IHC-P, Flow Cytometry, WB application(s). This antibody reacts with Human.
Application	Flow Cytometry, IHC-P, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q13308

Technical Details

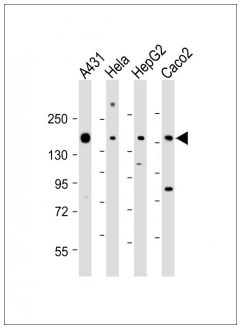
Immunogen	This CCK4 (PTK7) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-52 amino acids from the N-terminal region of human CCK4 (PTK7).
Predicted Reactive Species	Rat
Isotype	Rabbit IgG

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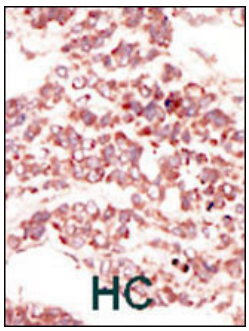
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Suggested Dilutions	WB: 1:1000-1:2000 IHC-P: 1:50-1:100 FC: 1:10-1:50

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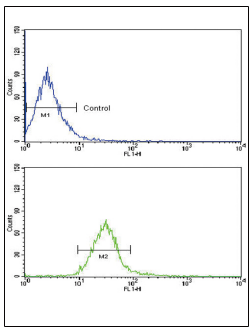
Anti-CCK4 (PTK7) Antibody (N-term) (A02957-2) Images



All lanes : Anti-CCK4 (PTK7) Antibody (N-term) at 1:1000-1:2000 dilutionLane 1: A431 whole cell lysateLane 2: Hela whole cell lysateLane 3: HepG2 whole cell lysateLane 4: Caco2 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 118 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



Flow cytometric analysis of NCI-H460 cells using CCK4 (PTK7) Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Anti-CCK4 (PTK7) Antibody (N-term)

For Research Use Only. Not for use in diagnostic procedures.