BOSTER BIOLOGICAL TECHNOLOGY
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Anti-IRS2 Antibody (C-term)

Catalog Number: A00805-1

About IRS2

Insulin receptor substrate 2, a cytoplasmic signaling molecule that mediates effects of insulin, insulin-like growth factor 1, and other cytokines by acting as a molecular adaptor between diverse receptor tyrosine kinases and downstream effectors. This protein is phosphorylated by the insulin receptor tyrosine kinase upon receptor stimulation, as well as by an interleukin 4 receptor-associated kinase in response to IL4 treatment.

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Overview

Product Name	Anti-IRS2 Antibody (C-term)
Reactive Species	Human
Description	Boster Bio Anti-IRS2 Antibody (C-term) (Catalog # A00805-1). Tested in WB, IF, IHC-P application(s). This antibody reacts with Human.
Application	IF, 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	Q9Y4H2

Technical Details

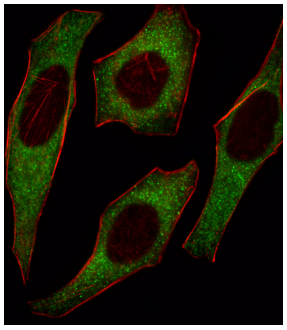
Immunogen	This IRS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1309-1338 amino acids from the C-terminal region of human IRS2.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).

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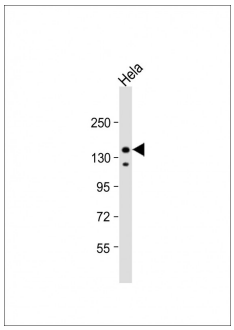
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Purification	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Suggested Dilutions	IF: 1:10-1:50 WB: 1:1000 IHC-P: 1:50-1:100

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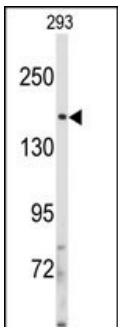
Anti-IRS2 Antibody (C-term) (A00805-1) Images



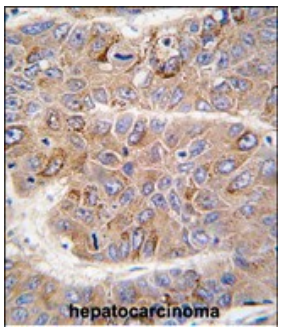
Fluorescent image of Hela cell stained with IRS2 Antibody (C-term).Hela cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with IRS2 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C).Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C).IRS2 immunoreactivity is localized to Cytoplasm significantly.



Anti-IRS2 Antibody (C-term) at 1:1000 dilution + Hela whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 137 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of anti-IRS2 Antibody (C-term) in 293 cell line lysates (35ug/lane). IRS2 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with IRS2 antibody (C-term), 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.

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