

Anti-IRS1 Antibody Picoband® Biotin Conjugated

Catalog Number: PB9223-Biotin

About IRS1

Insulin receptor substrate 1 (IRS-1) is a signalling adapter protein that in humans is encoded by the IRS-1 gene. It is mapped to 2q36.3. This gene exhibited no intrinsic enzyme activity, and it can serve as a docking protein involved in binding and activating other signal transduction molecules after being phosphorylated on tyrosine by insulin receptor kinase. IRS1 plays a key role in transmitting signals from the insulin and insulin-like growth factor-1 (IGF-1) receptors to intracellular pathways PI3K/Akt and Erk MAP kinase pathways. IRS1 also has important biological function for both metabolic and mitogenic (growth promoting) pathways. In addition to those, IRS1 is a key regulator of PI3K within malignant cells.

Overview

Product Name	Anti-IRS1 Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P35568

Technical Details

Immunogen	E.coli-derived human IRS1 recombinant protein (Position: S1041-Q1242). Human IRS1 shares 78% and 80% amino acid (aa) sequences identity with mouse and rat IRS1, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

2 Publications Citing This Product

1. PubMed ID: PMID:26550236, Vibration exercise decreases insulin resistance and modulates the insulin signaling pathway in a type 2 diabetic rat model

2. PubMed ID: 25536154, Mi L, Chen Y, Zheng X, Li Y, Zhang Q, Mo D, Yang G. J Cell Biochem. 2015 Jul;116(7):1195-204. Doi: 10.1002/Jcb.25065. Microrna-139-5P Suppresses 3T3-L1 Preadipocyte Differentiation Through Notch And Irs1/Pi3K/Akt Insulin Signaling Pathways.

Visit bosterbio.com/anti-irs1-picoband-trade-antibody-pb9223-boster.html to see all 2 publications.

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