

Anti-IRS-1 (phospho-S323) Antibody

Catalog Number: A00268S323

About IRS1

HDAC-1 antibody recognizes HDAC1 (also known as HD1, histone deacetylase 1, RPD3, RPD3L1) which belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis.

Overview

Product Name	Anti-IRS-1 (phospho-S323) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-IRS-1 (phospho-S323) Antibody catalog # A00268S323. Tested in WB,IHC,IF applications. This antibody reacts with Human,Mouse,Rat.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P35568

Technical Details

Immunogen	Synthesized peptide derived from human IRS-1 around the phosphorylation site of S307.
Predicted Reactive Species	Canine, Monkey
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.
Some PubMed article(s) citing the expression level of this target are as follows:
Boster Bio's internal QC testing used:
WB: 1:500-1:1000
IHC: 1:50-1:200
IF: 1:50-1:200

Anti-IRS-1 (phospho-S323) Antibody (A00268S323) Images

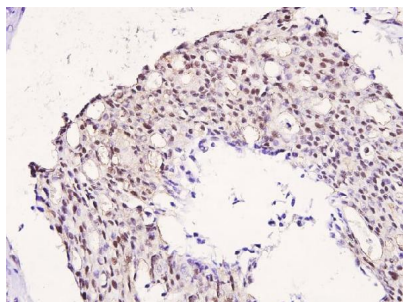


Figure 2. Immunohistochemistry validation of IRS1 using Anti-IRS-1 (phospho-S323) Antibody (A00268S323).

Immunohistochemistry (IHC) analyzes of p-IRS-1 (S323) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

For more protocol information of IHC

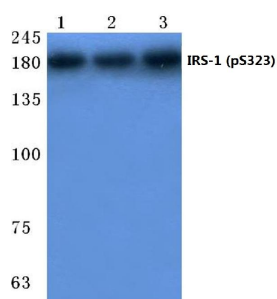


Figure 1. Western blotting validation for Anti-IRS-1 (phospho-S323) Antibody A00268S323

Western blot (WB) analysis of p-IRS-1 (S323) polyclonal antibody at 1:500 dilution

Lane1:L02 whole cell lysate(40ug)

Lane2:L02 treated with PBS(1

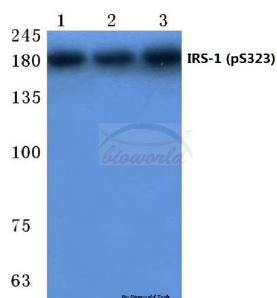


Figure 3. Western blotting validation for Anti-IRS-1 (phospho-S323) Antibody A00268S323

Western blot (WB) analysis of p-IRS-1 (S323) pAb at 1:500 dilution

Lane1:Hela cell lysate treated with insulin

Lane2:HepG2 cell lysate treated with insulin

Lane3:Raw264.7 cell lysate treated with insulin

Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

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