

Anti-Phospho-IRS-1 (S636) Antibody

Catalog Number: A00268S636

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-Phospho-IRS-1 (S636) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-IRS-1 (S636) Antibody catalog # A00268S636. Tested in ELISA, IF, IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
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 S636.
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.
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:

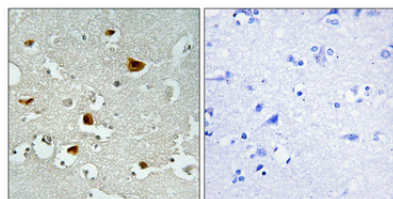
WB 1:500-1:2000

IHC 1:100-1:300

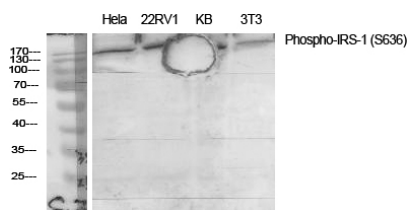
IF 1:200-1:1000

ELISA 1:20000

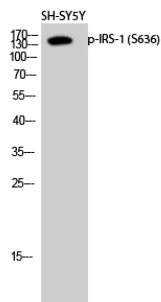
Anti-Phospho-IRS-1 (S636) Antibody (A00268S636) Images



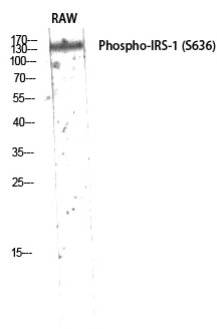
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°C overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



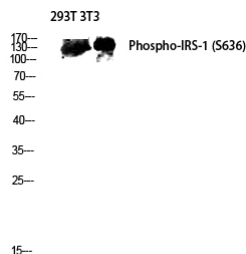
Western blot analysis of various cells using Phospho-IRS-1 (S636) Polyclonal Antibody diluted at 1:2000



Western blot analysis of SH-SY5Y cells using Phospho-IRS-1 (S636) Polyclonal Antibody diluted at 1:2000



Western blot analysis of RAW using Phospho-IRS-1 (S636) Polyclonal Antibody diluted at 1:2000



Western blot analysis of 293T 3T3 lysis using Phospho-IRS-1 (S636) antibody. Antibody was diluted at 1:2000

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