

## Anti-Phospho-IRS-1 (S307) Antibody

Catalog Number: A00268S307-1

### 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 (S307) Antibody                                                                                                                                  |
| Reactive Species     | Human, Monkey, Mouse, Rat                                                                                                                                           |
| Description          | Boster Bio Anti-Phospho-IRS-1 (S307) Antibody catalog # A00268S307-1. Tested in ELISA, IHC-P, WB applications. This antibody reacts with Human, Monkey, Mouse, Rat. |
| Application          | ELISA, 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 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. |
| 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:

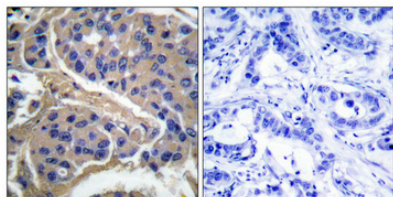
Boster Bio's internal QC testing used:

WB 1:500-1:2000

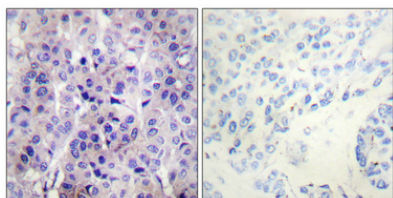
IHC 1:100-1:300

ELISA 1:5000

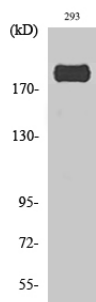
## Anti-Phospho-IRS-1 (S307) Antibody (A00268S307-1) Images



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



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



Western blot analysis of various cells using Phospho-IRS-1 (S307) Polyclonal Antibody diluted at 1:1000

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