

## Anti-IRS-1 (phospho-S794) Antibody

Catalog Number: A00268S794-1

### 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-IRS-1 (phospho-S794) Antibody                                                                                                           |
| Reactive Species     | Human, Mouse, Rat                                                                                                                            |
| Description          | Boster Bio Anti-IRS-1 (phospho-S794) Antibody catalog # A00268S794-1. Tested in IHC applications. This antibody reacts with Human,Mouse,Rat. |
| Application          | IHC                                                                                                                                          |
| 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 S639.                                                                       |
| 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:  
IHC: 1:50-1:200

## Anti-IRS-1 (phospho-S794) Antibody (A00268S794-1) Images

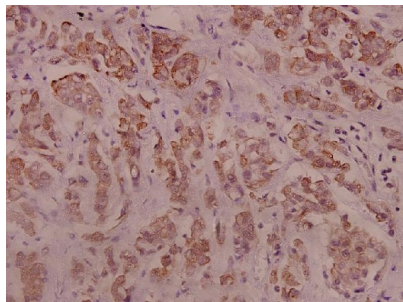


Figure 1. Immunohistochemistry validation of IRS1 using Anti-IRS-1 (phospho-S794) Antibody (A00268S794-1).

Immunohistochemistry (IHC) analyzes of p-IRS-1 (S794) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

For more protocol information of IHC

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