

## Anti-Phospho-c-Myc (S373) Antibody

Catalog Number: A00026S373

### About MYC

Anti-Glycogen Synthase 1 pS641 antibody is validated by IHC, Western Blot and ELISA. Human muscle glycogen synthase (GS) is responsible for the biosynthesis of glycogen from phosphorylated glucose units. Mammalian liver and muscle contain GS consisting of four subunits with a total molecular weight of 360,000. GS is subject to regulation through both allosteric and covalent modification and occurs in two forms: the phosphorylated inactive form, and the dephosphorylated active form. GS is inactivated by the serine/threonine kinase called glycogen synthase kinase-3 $\beta$  that mainly functions to phosphorylate muscle glycogen synthase. This antibody is specific for the phosphorylated form of GS at S641. Phosphorylation of GS at S641 has been associated with Antiphospholipid Antibody Syndrome.

### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Phospho-c-Myc (S373) Antibody  |
| Reactive Species     | Human, Mouse, Rat   |
| Description          | Boster Bio Anti-Phospho-c-Myc (S373) Antibody catalog # A00026S373. Tested in ELISA, IP, IHC applications. This antibody reacts with Human, Mouse, Rat. |
| Application          | ELISA, IP, IHC  |
| Clonality            | Polyclonal PI9-17   |
| 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           | P01106  |

### Technical Details

|                            |  |
|----------------------------|--|
| Immunogen                  | Synthesized peptide derived from human c-Myc around the phosphorylation site of S373.              |
| Predicted Reactive Species | Bovine, Chicken  |
| Cross Reactivity           | Weakly cross-reacts with dog p53.  |
| 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 | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>IHC 1:100-1:300<br/>IP 1:200-500<br/>ELISA 1:20000</p> |

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