

## Anti-Phospho-PKM2/PKM (S37) Antibody

Catalog Number: P01173

### About PKM

PKM (Pyruvate Kinase, Muscle), also known as PK3 or PKM2, is an enzyme that in humans is encoded by the PKM gene. The activity of pyruvate kinase subtype M2 is increased by fructose 1, 6-bisphosphate (Fru-1, 6-P2). By in situ hybridization, Popescu and Cheng (1990) mapped the THBP1 gene to 15q24-q25. Ashizawa et al. (1991) manipulated the intracellular Fru-1, 6-P2 concentration in several mammalian cell lines, including human, by varying the glucose concentration in the media. Using a novel proteomic screen for phosphotyrosine-binding proteins, Christofk et al. (2008) observed that PKM2 binds directly and selectively to tyrosine-phosphorylated peptides.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-Phospho-PKM2/PKM (S37) Antibody   |
| Reactive Species     | Human, Mouse, Rat  |
| Description          | Boster Bio Anti-Phospho-PKM2/PKM (S37) Antibody catalog # P01173. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.   |
| Application          | IHC, WB  |
| Clonality            | Polyclonal   |
| Formulation          | 500 ug/ml antibody with PBS, 0.02% NaN <sub>3</sub> , 1 mg stabilizing protein and 50% glycerol<br>This antibody is supplied in a stabilized formulation.<br>Compatibility with conjugation reactions depends on the chemistry of the conjugation method used.<br>For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | 12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.   |
| Host                 | Rabbit   |
| Uniprot ID           | P14618   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | A synthesized peptide derived from human PKM2 around the phosphorylation site of Ser37. |
| Form                | Liquid  |
| Concentration       | 500 ug/ml   |
| Purification        | Protein A affinity purified.  |
| Suggested Dilutions | Western blot, 1:500-2000<br>Immunohistochemistry, 1:50-200                              |

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