

Anti-Phospho-PKR (T451) EIF2AK2 Antibody

Catalog Number: A01384T451

About EIF2AK2

Following activation by double-stranded RNA in the presence of ATP, the kinase becomes autophosphorylated and can catalyze the phosphorylation of the translation initiation factor EIF2S1, which leads to an inhibition of the initiation of protein synthesis. Double-stranded RNA is generated during the course of a viral infection.

Abujiang Pataer, et.al. (2002) Cancer Res ; 62: 2239.

K. D. Ryman, et.al. (2005) J. Virol ; 79: 1487 - 1499.

Susana Guerra, et.al. (2006) J. Biol. Chem ; 281: 18734 - 18745.

Overview

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|----------------------|---|
| Product Name | Anti-Phospho-PKR (T451) EIF2AK2 Antibody |
| Reactive Species | Human |
| Description | Boster Bio Anti-Phospho-PKR (T451) EIF2AK2 Antibody catalog # A01384T451. Tested in ELISA, IHC applications. This antibody reacts with Human. |
| Application | ELISA, IHC |
| 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 | P19525 |

Technical Details

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| Immunogen | Synthesized peptide derived from human PKR around the phosphorylation site of T451. |
| Predicted Reactive Species | Boar, Bovine, Canine, Golden Hamster |
| Cross Reactivity | No cross reactivity with other proteins. |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/ml |

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| 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</p> <p>ELISA 1:20000</p> |

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