

Anti-Phospho-NFATc4 (S676) Antibody

Catalog Number: A02599S676

About NFATC4

p35 is a neuron specific activator of CDK5. The complex p35/CDK5 is required for neurite outgrowth and cortical lamination. Involved in dendritic spine morphogenesis by mediating the EFNA1-EPHA4 signaling. Activator of TPKII. The complex p35/CDK5 participates in the regulation of the circadian clock by modulating the function of CLOCK protein: phosphorylates CLOCK at 'Thr-451' and 'Thr-461' and regulates the transcriptional activity of the CLOCK-ARNTL/BMAL1 heterodimer in association with altered stability and subcellular distribution.

Tsai L.-H., Nature 371:419-423(1994).

Patrick G.N., Nature 402:615-622(1999).

Kesavapany S., J. Neurosci. 24:4421-4431(2004).

Overview

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| Product Name | Anti-Phospho-NFATc4 (S676) Antibody |
| Reactive Species | Human, Mouse |
| Description | Boster Bio Anti-Phospho-NFATc4 (S676) Antibody catalog # A02599S676. Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse. |
| 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 | Q14934 |

Technical Details

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| Immunogen | Synthesized peptide derived from human NFATc4 around the phosphorylation site of S676. |
| Predicted Reactive Species | Boar, Bovine, Canine, Golden Hamster |
| Isotype | IgG |
| Form | Liquid |
| Concentration | 1 mg/ml |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope- |

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| | 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>WB 1:500-1:2000 IHC 1:100-1:300 ELISA 1:5000</p> |

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