

Anti-NPAT antibody [2648C6a] ab70595

[4 References](#) [1 Image](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-NPAT antibody [2648C6a] |
| Description | Mouse monoclonal [2648C6a] to NPAT |
| Host species | Mouse |
| Tested applications | Suitable for: WB |
| Species reactivity | Reacts with: Recombinant fragment |
| Immunogen | Recombinant fragment (Human) from an internal sequence of NPAT. |
| Positive control | Recombinant human NPAT. |
| General notes | <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p> |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| Storage buffer | <p>pH: 7.40</p> <p>Preservative: 0.05% Sodium azide</p> <p>Constituents: 0.1136% Dibasic monohydrogen sodium phosphate, 1% BSA, 0.03% Potassium phosphate, 0.812% Sodium chloride, 0.1312% Sodium phosphate, 0.0225% Potassium chloride, 0.0204% Monobasic dihydrogen potassium phosphate</p> |
| Purity | Protein G purified |
| Purification notes | This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum and filtered through a 0.22 µm membrane. |
| Clonality | Monoclonal |
| Clone number | 2648C6a |

Isotype

IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab70595 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | Use at an assay dependent concentration. Predicted molecular weight: 240 kDa. |

Target

Relevance

NPAT is a 240kDa protein that associates with and can be phosphorylated by the CDK cyclin E–CDK2. The protein level of NPAT peaks at the G1/S boundary. Overexpression of NPAT accelerates S-phase entry suggesting that NPAT plays a role in S-phase entry.

Cellular localization

Nuclear

Images



Anti-NPAT antibody [2648C6a] (ab70595) + immunising recombinant fragment

Predicted band size: 240 kDa

Observed band size: 44 kDa

The molecular weight of the band on the western blot does not correspond to the molecular weight of the natural protein because only a fragment of the protein was used.

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