# abcam

### Product datasheet

# 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

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.

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

**Properties** 

Form Liquid

**Storage instructions** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer pH: 7.40

Preservative: 0.05% Sodium azide

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

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–  $\,$ 

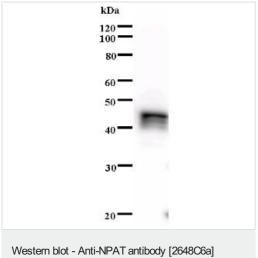
CDK2. The protein level of NPAT peaks at the G1/S boundary. Overexpression of NPAT

accelerates S-phase entry suggesting that NPAT plays a role in S-phase entry.

**Cellular localization** 

Nuclear

#### **Images**



Western blot - Anti-NPAT antibody [2648C6a] (ab70595)

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.

 $\textbf{Please note:} \ \ \textbf{All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"}$ 

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