


# Anti-DARPP32 (phospho T75) antibody ab51114

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## Overview

<b>Product name</b>	Anti-DARPP32 (phospho T75) antibody
<b>Description</b>	Rabbit polyclonal to DARPP32 (phospho T75)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Human DARPP32 aa 1-100 (phospho T75). Database link: <a href="#">Q9UD71</a>
<b>Positive control</b>	Human brain tissue.
<b>General notes</b>	<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&amp;As</p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, PBS  Without Mg+2 and Ca+2
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	The antibody was purified from rabbit antiserum by affinity chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
<b>Clonality</b>	Polyclonal

Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab51114 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		1/3000. Detects a band of approximately 38 kDa (predicted molecular weight: 32 kDa).
IHC-P		Use at an assay dependent concentration.

## Target

### Function

Inhibitor of protein-phosphatase 1.

### Sequence similarities

Belongs to the protein phosphatase inhibitor 1 family.

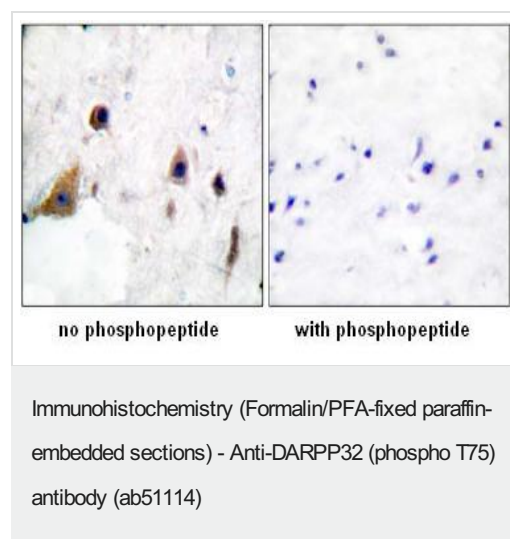
### Post-translational modifications

Dopamine- and cyclic AMP-regulated neuronal phosphoprotein.  
Phosphorylation of Thr-34 is required for activity.

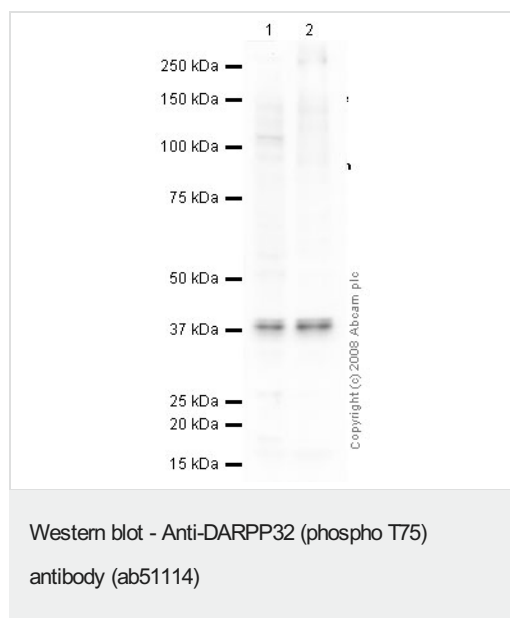
### Cellular localization

Cytoplasm.

## Images



Ab51114 staining human DARPP32 in human brain tissue by immunohistochemistry using paraffin embedded tissue.



**All lanes :** Anti-DARPP32 (phospho T75) antibody (ab51114) at 1 µg/ml

**Lane 1 :** MDA-MB-361 (Human breast adenocarcinoma cell line) Whole Cell Lysate

**Lane 2 :** SHSY-5Y (Human neuroblastoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes :** Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

**Predicted band size:** 32 kDa

**Observed band size:** 38 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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