# Product datasheet

## Anti-14-3-3 Tau antibody ab77268

### Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-14-3-3 Tau antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Goat polyclonal to 14-3-3 Tau</td>
</tr>
<tr>
<td>Host species</td>
<td>Goat</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: WB, ELISA</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Human</td>
</tr>
<tr>
<td></td>
<td>Predicted to work with: Mouse, Rat, Rabbit, Chicken, Cow, Pig, Xenopus laevis, Orangutan</td>
</tr>
</tbody>
</table>

**Immunogen**

Synthetic peptide corresponding to Human 14-3-3 Tau aa 136-146 (internal sequence).

Sequence:

C-DDRKQTIDNSQ

Database link: [NP_006817.1](https://www.uniprot.org/uniprot/NP_006817.1)

**Positive control**

WB: Human Brain (Hippocampus) lysate.

### Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.</td>
</tr>
</tbody>
</table>
| Storage buffer     | Preservative: 0.02% Sodium Azide  
                       Constituents: 0.5% BSA, Tris buffered saline, pH 7.3 |
| Purity             | Immunogen affinity purified |
| Purification notes | ab77268 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Clonality          | Polyclonal          |
| Isotype            | IgG                 |

### Applications

Our Abpromise guarantee covers the use of ab77268 in the following tested applications.
Function
Adapter protein implicated in the regulation of a large spectrum of both general and specialized
signaling pathways. Binds to a large number of partners, usually by recognition of a
phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the
activity of the binding partner. Negatively regulates the kinase activity of PDPK1.

Tissue specificity
Abundantly expressed in brain, heart and pancreas, and at lower levels in kidney and placenta.
Up-regulated in the lumbar spinal cord from patients with sporadic amyotrophic lateral sclerosis
(ALS) compared with controls, with highest levels of expression in individuals with predominant
lower motor neuron involvement.

Sequence similarities
Belongs to the 14-3-3 family.

Post-translational
modifications
Ser-232 is probably phosphorylated by CK1.

Cellular localization
Cytoplasm. In neurons, axonally transported to the nerve terminals.

Application | Abreviews | Notes
--- | --- | ---
WB | Use a concentration of 0.03 - 0.1 µg/ml. Detects a band of approximately 28 kDa (predicted molecular
weight: 28 kDa). | 
ELISA | Use at an assay dependent concentration. 
Peptide ELISA: Antibody detection limit dilution 1/4,000. | 

Target

Images

Anti-14-3-3 Tau antibody (ab77268) at 0.03 µg/ml + Human Brain
(Hippocampus) in RIPA buffer at 35 µg

Predicted band size: 28 kDa
Observed band size: 28 kDa

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