# Anti-PTOV1 antibody ab81173

## Overview

<table>
<thead>
<tr>
<th>Product name</th>
<th>Anti-PTOV1 antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Rabbit polyclonal to PTOV1</td>
</tr>
<tr>
<td>Host species</td>
<td>Rabbit</td>
</tr>
<tr>
<td>Tested applications</td>
<td>Suitable for: IHC-P, WB</td>
</tr>
<tr>
<td>Species reactivity</td>
<td>Reacts with: Human</td>
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<tr>
<td></td>
<td>Predicted to work with: Mouse, Rat, Cow, Dog, Pig</td>
</tr>
</tbody>
</table>

**Immunogen**

Synthetic peptide corresponding to Human PTOV1 aa 109-158 (N terminal).

Sequence:

```
DSTAKLKLRTLPCQAYVNQGENLETQWPQKLIMQLIPQQLLTTLGPLFRN
```

Database link: [Q86YD1](http://example.com/Q86YD1)

**Positive control**

Jurkat whole cell lysate (ab7899).

## Properties

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
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</thead>
<tbody>
<tr>
<td>Storage instructions</td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</td>
</tr>
</tbody>
</table>
| Storage buffer        | Preservative: 0.09% Sodium azide  
                        | Constituents: 2% Sucrose, PBS |
| Purity                | Immunogen affinity purified |
| Clonality             | Polyclonal |
| Isotype               | IgG    |

## Applications

Our [Abpromise guarantee](http://example.com/Abpromise) covers the use of **ab81173** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
PTOV1 belongs to the Mediator complex subunit 25 family, PTOV1 subfamily. It may activate transcription and is required for nuclear translocation of FLOT1. PTOV1 promotes cell proliferation. There are three named isoforms.

**Cellular localization**
Cell membrane. Cytoplasm, perinuclear region. Nucleus. Translocates from the cytoplasm to the nucleus at the onset of S-phase. Also localizes to lipid rafts.

**Images**

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PTOV1 antibody (ab81173)**
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human pineal tissue labelling PTOV1 with ab81173 at 1/100. A Cy3-conjugated donkey anti-rabbit IgG (1/200) was used as the secondary antibody. Positive staining shown in the cytoplasm and membrane of cell bodies and processes of pinealocytes and processes of interstitial cells. Magnification: 20X. Exposure time: 0.5 - 2.0 seconds. Left - DAPI. Middle - PTOV1. Right - Merge.

Anti-PTOV1 antibody (ab81173) at 1 µg/ml + Jurkat cell lysate at 10 µg

**Secondary**
HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size:** 47 kDa
**Observed band size:** 47 kDa
**Additional bands at:** 90 kDa. We are unsure as to the identity of these extra bands.

**Western blot - Anti-PTOV1 antibody (ab81173)**

**Gel concentration 12%**

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