### Overview

**Product name**  
Anti-PAP antibody [EPR4066]  

**Description**  
Rabbit monoclonal [EPR4066] to PAP  

**Host species**  
Rabbit  

**Tested applications**  
**Suitable for:** WB, IP, IHC-P, ICC  
**Unsuitable for:** Flow Cyt  

**Species reactivity**  
Reacts with: Human  

**Immunogen**  
Corresponding to Human PAP aa 1-100.  

**Positive control**  
Prostate cancer cell lysate, human prostatic and human prostatic adenocarcinoma tissues.  

**General notes**  
Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.  

This product was previously labelled as Prostatic Acid Phosphatase  

Our RabMAB® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAB® patents.  

This product is a recombinant rabbit monoclonal antibody.

### Properties

**Form**  
Liquid  

**Storage instructions**  
Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.  

**Dissociation constant ($K_D$)**  
\[ K_D = 1.41 \times 10^{-10} \text{ M} \]  

**Storage buffer**  
pH: 7.20  
Preservative: 0.05% Sodium azide
Constituents: 0.1% BSA, 40% Glycerol, 9.85% Tris glycine, 50% Tissue culture supernatant

Purity
Tissue culture supernatant

Clonality
Monoclonal

Clone number
EPR4066

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab108984 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/1000 - 1/10000. Predicted molecular weight: 45 kDa.</td>
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<tr>
<td>IP</td>
<td></td>
<td>1/10 - 1/100.</td>
</tr>
<tr>
<td>IHC-P</td>
<td>★★★★★,msg</td>
<td>1/250 - 1/500. Antigen retrieval is recommended.</td>
</tr>
<tr>
<td>ICC</td>
<td></td>
<td>1/100 - 1/250.</td>
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Application notes
Is unsuitable for Flow Cyt.

Target

Sequence similarities
Belongs to the histidine acid phosphatase family.

Cellular localization
Secreted and Lysosome membrane. Predominantly localized in the plasma membrane but also detected in intracellular vesicles.

Images

Immunohistochemical staining of paraffin-embedded human prostatic tissue using anti-PAP (ab108984).
Western blot - Anti-PAP antibody [EPR4066] (ab108984)

Immunohistochemical staining of paraffin-embedded human prostatic adenocarcinoma tissue using anti-PAP (ab108984).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAP antibody [EPR4066] (ab108984)

ab108984 showing negative staining in Skeletal muscle tissue.

Anti-PAP antibody [EPR4066] (ab108984) at 1/1000 dilution + Prostate cancer cell lysate at 10 µg

Predicted band size: 45 kDa
ab108984 showing negative staining in Colonic adenocarcinoma tissue.

ab108984 showing negative staining in Normal tonsil tissue.
ab108984 showing negative staining in Normal placenta tissue.

ab108984 showing positive staining in Prostatic carcinoma tissue.

ab108984 showing negative staining in Breast carcinoma tissue.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAP antibody [EPR4066] (ab108984)

ab108984 showing negative staining in Cervical carcinoma tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAP antibody [EPR4066] (ab108984)

ab108984 showing negative staining in Normal breast tissue.

Other - Anti-PAP antibody [EPR4066] (ab108984)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

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