**Product datasheet**

**Anti-PYCR1 antibody ab103314**

1 References  2 Images

### Overview

**Product name**  Anti-PYCR1 antibody  
**Description**  Rabbit polyclonal to PYCR1  
**Host species**  Rabbit  
**Tested applications**  Suitable for: WB, IHC-P  
**Species reactivity**  Reacts with: Human  
**Immunogen**  Synthetic peptide corresponding to a region within C terminal amino acids 290-319 of Human PYCR1, conjugated to KLH.  
**Positive control**  HepG2 cell line lysates (WB), colon carcinoma tissue (IHC-P)

### Properties

**Form**  Liquid  
**Storage instructions**  Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C long term.  
**Storage buffer**  Preservative: 0.09% Sodium azide  
Constituent: PBS  
**Purity**  Immunogen affinity purified  
**Purification notes**  This antibody is purified through a protein A column, followed by peptide affinity purification.  
**Clonality**  Polyclonal  
**Isotype**  IgG

### Applications

Our Abpromise guarantee covers the use of ab103314 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>1/100 - 1/500. Predicted molecular weight: 33 kDa.</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>1/50 - 1/100.</td>
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Relevance
PYCR1 is an enzyme that catalyzes the NAD(P)H-dependent conversion of pyrroline-5-carboxylate to proline. This enzyme may also play a physiologic role in the generation of NADP(+) in some cell types. It forms a homopolymer and localizes to the mitochondrion.

Cellular localization
Mitochondrial

Images

Western blot - Anti-PYCR1 antibody (ab103314)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PYCR1 antibody (ab103314)

Anti-PYCR1 antibody (ab103314) at 1/100 dilution + HepG2 cell line lysate at 35 µg

Predicted band size: 33 kDa

Immunohistochemical analysis of PYCR1 in formalin fixed and paraffin embedded Human colon carcinoma tissue, using ab103314 at a 1/50 dilution followed by peroxidase conjugation of the secondary antibody and DAB staining.

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