# Datasheet: VPA00104KT

<table>
<thead>
<tr>
<th>Description:</th>
<th>YAP1 ANTIBODY WITH CONTROL LYSATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>YAP1</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>PrecisionAb™ Polyclonal</td>
</tr>
<tr>
<td>Isotype:</td>
<td>Polyclonal IgG</td>
</tr>
<tr>
<td>Quantity:</td>
<td>2 Westerns</td>
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</table>

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
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<tbody>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td>1/1000</td>
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</table>

**PrecisionAb antibodies have been extensively validated for the western blot application.** The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse, Rat  
**N.B.** Antibody reactivity and working conditions may vary between species.

### Product Form

Purified IgG - liquid

### Preparation

20μl Goat polyclonal antibody purified by affinity chromatography

### Buffer Solution

TRIS buffered saline

### Preservative Stabilisers

0.02% Sodium Azide (NaN₃) 0.5 % BSA

### Immunogen

Peptide with the sequence PQDTVCDLIQSK, from the internal of the protein.

### External Database Links

**UniProt:**  
[P46937](http://www.uniprot.org/uniprot/P46937)  
Related reagents

**Entrez Gene:**  
[10413](https://www.ncbi.nlm.nih.gov/gene/10413) YAP1  
Related reagents

### Synonyms

YAP65
Specificity  
**Goat anti Human YAP1 antibody** recognizes the yorkie homolog, also known as 65 kDa yes-associated protein or YAP65.

YAP1 encodes a downstream nuclear effector of the Hippo signaling pathway which is involved in development, growth, repair, and homeostasis. YAP1 is known to play a role in the development and progression of multiple cancers as a transcriptional regulator of this signaling pathway and may function as a potential target for cancer treatment. Alternative splicing results in multiple transcript variants encoding different isoforms (provided by RefSeq, Aug 2013).

Goat anti Human YAP1 antibody detects a band of 83 kDa. The antibody has been extensively validated for western blotting using whole cell lysates. This antibody is available with a positive control lysate, in a smaller trial size, and as a standalone antibody.

**Western Blotting**  
Anti YAP1 detects a band of approximately 83 kDa in A549 cell lysates.

**Instructions For Use**  
Please refer to the [PrecisionAb western blotting protocol](https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf). For additional information on secondary antibody dilution and exposure time see product web page.

**Lysate Composition**  
400μg A549 lysate lyophilized in RIPA buffer.

**Lysate Reconstitution**  
- If using DDT reconstitute the lyophilized lysate with 190μl DI H₂O, add 200μl 2x Laemmli Sample Buffer and 10μl 2M DTT.
- If using BME reconstitute the lyophilized lysate with 180μl DI H₂O, add 200μl 2x Laemmli Sample Buffer and 20μl BME.
  Heat at 95°C for 5 minutes. For 10 well mini gels load 25μl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.

**Storage**  
- **Antibody:** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
- **Lysate:** Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

**Shelf Life**  
As supplied, 12 months from date of despatch.

**Acknowledgements**  
PrecisionAb™ is a trademark of Bio-Rad Laboratories.

**Health And Safety Information**  

**Regulatory**  
For research purposes only

**Related Products**

**Recommended Secondary Antibodies**
