

Datasheet: VPA00685

**BATCH NUMBER 161118**

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | RABBIT ANTI PPA1       |
| <b>Specificity:</b>  | PPA1                   |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | PrecisionAb Polyclonal |
| <b>Isotype:</b>      | Polyclonal IgG         |
| <b>Quantity:</b>     | 100 µl                 |

## 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).

|                  | Yes | No | Not Determined | Suggested Dilution |
|------------------|-----|----|----------------|--------------------|
| Western Blotting | ▪   |    |                | 1/1000             |

**The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range.** 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 dependent on sample type.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Preparation

Rabbit polyclonal antibody purified by affinity chromatography

### Buffer Solution

TRIS buffered glycine

### Preservative Stabilisers

0.01% Thiomersal  
<50% Glycerol

**Immunogen** Recombinant protein encompassing part of the middle region of human PPA1

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**External Database**

**Links**

**UniProt:**

[Q15181](#) [Related reagents](#)

**Entrez Gene:**

[5464](#) PPA1 [Related reagents](#)

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**Synonyms**

IOPPP, PP

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**Specificity**

**Rabbit anti Human PPA1 antibody** recognizes Inorganic pyrophosphatase, also known as PPase, cytosolic inorganic pyrophosphatase, diphosphate phosphohydrolase, inorganic diphosphatase or pyrophosphate phospho-hydrolase.

The protein encoded by PPA1 gene is a member of the inorganic pyrophosphatase (PPase) family. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. PPA1 appears to have a cytoplasmic localization of this enzyme ([Niu et al. 2017](#)).

Rabbit anti Human PPA1 antibody detects a band of 33 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Rabbit anti PPA1 detects a band of approximately 33 kDa in Raji cell lysates

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**Storage**

Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories

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**Health And Safety Information**

Material Safety Datasheet documentation #20357 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00685>  
Antibody (20357)

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

**North & South America** Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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