

## Datasheet: VPA00187KT

<b>Description:</b>	GAPDH ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	GAPDH
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Polyclonal
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	2 Westerns

### 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

**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. 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

20µl Rabbit polyclonal antibody purified by affinity chromatography

#### Buffer Solution

Phosphate buffered saline

#### Preservative Stabilisers

0.09% Sodium Azide (NaN<sub>3</sub>)

#### Immunogen

Peptide corresponding to a 16 amino acid sequence from near the amino terminus of

## GAPDH

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### External Database

#### Links

#### UniProt:

[P04406](#)   [Related reagents](#)

#### Entrez Gene:

[2597](#) GAPDH   [Related reagents](#)

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### Synonyms

GAPD

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### Specificity

**Rabbit anti Human GAPDH antibody** recognizes glyceraldehyde-3-phosphate dehydrogenase (GAPDH), also known as peptidyl-cysteine S-nitrosylase.

GAPDH catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome. Two transcript variants encoding different isoforms have been found for GAPDH (provided by RefSeq, Feb 2012).

Rabbit anti Human GAPDH antibody detects a band of 37 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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### Western Blotting

Anti GAPDH detects a band of approximately 37 kDa in Jurkat cell lysates.

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### Instructions For Use

Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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### Lysate Composition

400µg Jurkat lysate lyophilized in RIPA buffer.

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### Lysate Reconstitution

- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.  
- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, 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.

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### 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.

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### Guarantee

As supplied, 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 #10040 #10561 available at:  
Antibody (10040): <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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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](#)

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