

## Datasheet: VPA00146

<b>Description:</b>	GOAT ANTI TPI1
<b>Specificity:</b>	TPI1
<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

**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.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Goat polyclonal antibody purified by affinity chromatography.
<b>Buffer Solution</b>	TRIS buffered saline
<b>Preservative Stabilisers</b>	0.02% Sodium Azide (NaN <sub>3</sub> ) 0.5 % BSA
<b>Immunogen</b>	Peptide with the sequence C-LKPEFVDIINAKQ, from the C Terminus of the protein sequence.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P60174</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7167</a> TPI1   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	TPI

**Specificity** **Goat anti Human TPI1 antibody** recognizes triosephosphate isomerase, also known as TIM or triose-phosphate isomerase.

Encoded by the TPI1 gene, this enzyme consists of two identical proteins and catalyzes the isomerization of glyceraldehydes 3-phosphate (G3P) and dihydroxy-acetone phosphate (DHAP) in glycolysis and gluconeogenesis. Mutations in TPI1 are associated with triosephosphate isomerase deficiency. Pseudogenes have been identified on chromosomes 1, 4, 6 and 7. Alternative splicing results in multiple transcript variants (provided by RefSeq, Apr 2009).

Goat anti Human TPI1 antibody detects a band of 31 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting** Anti TPI1 detects a band of approximately 31 kDa in HEK293 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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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Shelf Life** 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 #10058 available at: Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) [HRP](#)

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