

Datasheet: VPA00421

**BATCH NUMBER 160226**

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | GOAT ANTI TMS1         |
| <b>Specificity:</b>  | TMS1                   |
| <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.

|                                 |   |
|---------------------------------|---|
| <b>Target Species</b>           | Human   |
| <b>Species Cross Reactivity</b> | <p>Reacts with: Mouse</p> <p><b>N.B.</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.</p> |
| <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> | <p>0.09% Sodium Azide (NaN<sub>3</sub>)</p> <p>1% Bovine Serum Albumin</p>  |

**Immunogen** Peptide sequence C-DLTDKLVSYYLES

**External Database**

**Links**

**UniProt:**

[Q9ULZ3](#)

[Related reagents](#)

**Entrez Gene:**

[29108](#)

PYCARD

[Related reagents](#)

**Synonyms**

ASC, CARD5, TMS1

**Specificity**

**Goat anti Human TMS1 antibody** recognizes target of methylation-induced silencing 1 (TMS1), also known as PYCARD, caspase recruitment domain-containing protein 5 and CARD5.

TMS1 is an adaptor protein composed of two protein-protein interaction domains: a N-terminal PYRIN-PAAD-DAPIN domain (PYD) and a C-terminal caspase-recruitment domain (CARD). The PYD and CARD domains are members of the six-helix bundle death domain-fold superfamily that mediates assembly of large signaling complexes in the inflammatory and apoptotic signaling pathways via the activation of caspase. In normal cells, this protein is localized to the cytoplasm; however, in cells undergoing apoptosis, it forms ball-like aggregates near the nuclear periphery. Two transcript variants encoding different isoforms have been found for PYCARD (provided by RefSeq, Jul 2008).

Goat anti Human TMS1 antibody detects a band of 22 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

**Western Blotting**

Anti TMS1 detects a band of approximately 22 kDa in A549 cell lysate

**Storage**

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

**Guarantee**

12 months from date of despatch

**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories

**Health And Safety Information**

Material Safety Datasheet documentation #10058 available at:  
<https://www.bio-rad-antibodies.com/SDS/VPA00421>  
Antibody (10058)

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

**North & South America**

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)  
'M370761:200529'

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