

## Datasheet: VPA00048

<b>Description:</b>	GOAT ANTI TAGLN
<b>Specificity:</b>	TAGLN
<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, 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

Goat polyclonal antibody purified by affinity chromatography

#### Buffer Solution

TRIS buffered saline

#### Preservative Stabilisers

0.02% Sodium Azide (NaN<sub>3</sub>)  
0.5% Bovine Serum Albumin

#### Immunogen

Synthetic peptide sequence C-MTGYGRPRQIIS from the C-terminal region of TAGLN.

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q01995</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">6876</a> TAGLN <a href="#">Related reagents</a>
<b>Synonyms</b>	SM22, WS3-10
<b>Specificity</b>	<p><b>Goat anti Human TAGLN antibody</b> recognizes human TAGLN (transgelin), otherwise known as SM22-alpha. TAGLN is a shape change sensitive, actin cross-linking/gelling protein, and a member of the calponin family. TAGLN plays a role in calcium interactions and contractile properties of the cell.</p> <p>TAGLN is ubiquitously expressed by vascular and visceral smooth muscle, is an early marker of smooth muscle differentiation and is overexpressed by senescent human fibroblasts. Studies have identified TAGLN as a novel tumor suppressor protein, which has a markedly reduced expression in colorectal cancer samples, and may serve as an important biomarker of malignancy.</p> <p>Goat anti Human TAGLN antibody recognizes TAGLN as a band of 22 kDa in a wide range of human cell line lysates. Cross reactivity with rodent cell lines is also observed.</p>
<b>Western Blotting</b>	Goat anti TAGLN detects a band of approximately 22 kDa in HeLa cell lysates.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: Antibody (10058): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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