

Datasheet: VPA00048

Description:	GOAT ANTI TAGLN
Specificity:	TAGLN
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	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.

	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 ₃) 0.5% Bovine Serum Albumin
Immunogen	Synthetic peptide sequence C-MTGYGRPRQIIS from the C-terminal region of TAGLN.

**External Database
Links**

UniProt:

[Q01995](#)

[Related reagents](#)

Entrez Gene:

[6876](#)

TAGLN

[Related reagents](#)

Synonyms

SM22, WS3-10

Specificity

Goat anti Human TAGLN antibody 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.

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. TAGLN is a tumor suppressor protein ([Assinder et al. 2009](#)), with markedly reduced expression in colorectal cancer samples, and may serve as an important biomarker of malignancy.

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.

Western Blotting

Goat anti TAGLN detects a band of approximately 22 kDa in HeLa cell lysates.

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/VPA00048>
Antibody (10058)

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

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

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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://www.bio-rad-antibodies.com/datasheets)

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