

## Datasheet: VPA00048KT

<b>Description:</b>	TAGLN ANTIBODY WITH CONTROL LYSATE
<b>Specificity:</b>	TAGLN
<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.

<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. 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.
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	20µl 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% Bovine Serum Albumin
<b>Immunogen</b>	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>Instructions For Use</b>	Please refer to the <a href="#">PrecisionAb western blotting protocol</a> . For additional information on secondary antibody dilution and exposure time see product web page.
<b>Lysate Composition</b>	400µg HeLa lysate lyophilized in RIPA buffer.
<b>Lysate Reconstitution</b>	<ul style="list-style-type: none"> <li>- 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.</li> <li>- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 20µl BME.</li> </ul> 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.
<b>Storage</b>	<p>Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p> <p>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.</p>
<b>Guarantee</b>	As supplied, 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 #10561 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>

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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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