

## Datasheet: AHP2034

<b>Description:</b>	GOAT ANTI HUMAN TAGLN (C-TERMINAL)
<b>Specificity:</b>	TAGLN (C-TERMINAL)
<b>Other names:</b>	SM22-alpha
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.1 mg

## 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
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA	■			1:2000
Immunoprecipitation			■	
Western Blotting	■			0.001 - 0.003ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse, Rat, Rabbit Based on sequence similarity, is expected to react with: Bovine, Dog <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Purified IgG - liquid
<b>Antiserum Preparation</b>	Antiserum to human TAGLN (CT) was raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared 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>Approx. Protein Concentrations</b>	IgG concentration 0.5mg/ml

<b>Immunogen</b>	Synthetic peptide sequence C-MTGYGRPRQIIS from the C-terminal region of TAGLN (NP_003177.2; NP_001001522.1).
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q01995</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6876</a>    TAGLN    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	SM22, WS3-10
<b>Specificity</b>	<p><b>Goat anti Human TAGLN antibody</b> recognizes human Transgelin, also known as TAGLN, a ~22 kDa actin-binding protein, Protein WS3-10, Smooth muscle protein 22-alpha or SM22-alpha, Transgelin is a shape change sensitive, actin cross-linking/gelling protein, and member of the calponin family, which plays a role in calcium interactions and contractile properties of the cell.</p> <p>TAGLN is ubiquitously expressed by vascular and visceral smooth muscle, and an early marker of smooth muscle differentiation, and also overexpressed by senescent human fibroblasts. Transgelin has been identified 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 (<a href="#">Zhang et al. 2010</a>).</p> <p>Goat anti Human TAGLN antibody recognizes an epitope within the C-terminal (CT) region of human transgelin.</p>
<b>Western Blotting</b>	AHP2034 detects a band of approximately 23kDa in human placenta, heart and testis cell lysates.
<b>References</b>	<ol style="list-style-type: none"> <li>1. Lea, R.G. <i>et al.</i> (2016) The fetal ovary exhibits temporal sensitivity to a 'real-life' mixture of environmental chemicals. <a href="#">Sci Rep. 6: 22279.</a></li> <li>2. Huuskonen, P. <i>et al.</i> (2016) The human placental proteome is affected by maternal smoking. <a href="#">Reprod Toxicol. 63: 22-31.</a></li> </ol>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
<b>Shelf Life</b>	18 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10058 available at: 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

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

'M313718:180329'

<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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