

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

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.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Goat polyclonal antibody purified by affinity chromatography
Buffer Solution	TRIS buffered saline
Preservative	0.02% Sodium Azide (NaN ₃)
Stabilisers	0.5% Bovine Serum Albumin
Immunogen	Synthetic peptide sequence C-MTGYGRPRQIIS from the C-terminal region of TAGLN.
External Database Links	<p>UniProt: Q01995 Related reagents</p> <p>Entrez Gene: 6876 TAGLN Related reagents</p>
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. 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.

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.

Instructions For Use Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

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

Shelf Life As supplied, 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: Antibody (10058): <https://www.bio-rad-antibodies.com/uploads/MSDS/10058.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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