

## DATASHEET

# Transgelin-2 Rabbit Polyclonal Antibody

CAT. NO. APA12987

### KEY FEATURES

Target	Transgelin-2	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

The protein encoded by this gene is similar to the protein transgelin, which is one of the earliest markers of differentiated smooth muscle. The specific function of this protein has not yet been determined, although it is thought to be a tumor suppressor. Multiple transcript variants encoding different isoforms have been found for this gene.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IF/ICC	1:50 - 1:200

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Transgelin-2
Specificity	Recognizes endogenous levels of Transgelin-2 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Transgelin-2
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 22; Observed: 22 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	KIAA0120; Transgelin-2; Epididymis tissue protein Li 7e; SM22-alpha homolog
Gene Symbol	TAGLN2
Entrez Gene	8407(Human); 21346(Mouse); 304983(Rat)
SwissProt	P37802(Human); Q9WWA4(Mouse); Q5XFX0(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

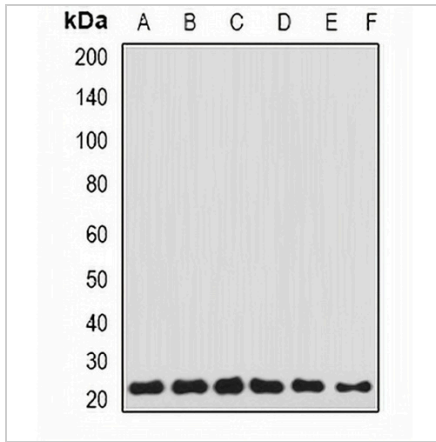
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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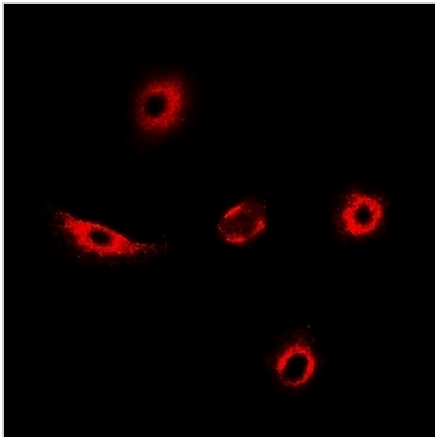
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**DATA**



Western blot analysis of Transgelin-2 expression in HEK293T (A), HeLa (B), THP1 (C), MCF7 (D), SKOV3 (E), mouse lung (F) whole cell lysates. (Predicted band size: 22; 24 kD; Observed band size: 22 kD)



Immunofluorescent analysis of Transgelin-2 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.