

## Rabbit anti-Human TAGLN2 Polyclonal Antibody | anti-TAGLN2 antibody

Anti-TAGLN2 Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                      |
|-----------|--------|------------|-----------------------------------|
| AAA259022 | Rabbit | Human      | Immunoprecipitation, Western Blot |

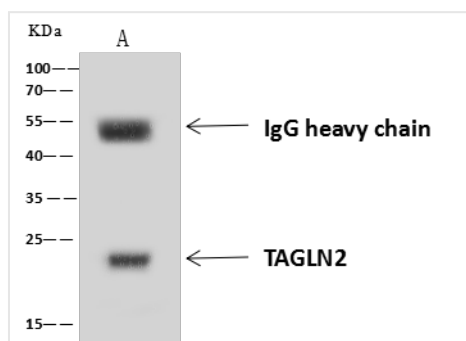
### PRODUCT SYNONYMS

TAGLN2; Polyclonal Antibody; Anti-TAGLN2 Antibody; Rabbit Polyclonal; transgelin 2; Anti-HA1756 Antibody; anti-TAGLN2 antibody

### PRODUCT SPECIFICATIONS

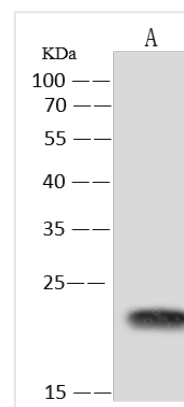
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|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                       | Human                                                                                                                                                                                                                                                                 |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                      | Human TAGLN2                                                                                                                                                                                                                                                          |
| Purity/Purification                              | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                      | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                                              |
| Applicable Applications for anti-TAGLN2 antibody | IP (Immunoprecipitation), WB (Western Blot)                                                                                                                                                                                                                           |
| Immunogen                                        | E coli-derived Human TAGLN2 fragment                                                                                                                                                                                                                                  |
| Preparation                                      | Produced in rabbits immunized with E coli-derived Human TAGLN2 fragment, and purified by antigen affinity chromatography.                                                                                                                                             |
| Preparation and Storage                          | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IP (Immunoprecipitation)

TAGLN2 was immunoprecipitated using: Lane A: 0.5 mg A375 Whole Cell Lysate 4 uL anti-TAGLN2 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-TAGLN2 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa. Observed band size: 22 kDa.



#### WB (Western Blot)

Anti-TAGLN2 rabbit polyclonal antibody at 1:500 dilution. Lane A: U-251MG Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa. Observed band size: 22 kDa.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-TAGLN2 antibody | Transgelin-2 (TAGLN2) is an actin-binding protein that controls actin stability and promotes T cell activation. TAGLN2 is also expressed on B-cells. TAGLN2 might regulate activation and migration of B-cells, in particular, the entry of activated B-cells into the follicle. TAGLN2 displays a novel function to stabilize cortical F-actin, thereby augmenting F-actin contents at the immunological synapse (IS), and acquiring leukocyte function-associated antigen-1 activation following T cell activation. TAGLN2 also competes with cofilin to protect F-actin in vitro and in vivo. Abnormal expression of TAGLN2 was observed in various types of cancer. TAGLN2 protein plays an important role in multidrug resistance in human breast cancer. siRNA mediated gene silencing of TAGLN2 is a promising strategy for paclitaxel resistance reversal in breast cancer. |
| References                                           | <p>Wang P, et al. (2019) Bioreducible and acid-labile polydiethylenetriamines with sequential degradability for efficient transgelin-2 sirna delivery. J Mater Chem B 7 (44): 6994-7005.</p> <p>Na BR, et al. (2015) Tagln2-mediated actin stabilization at the immunological synapse: Implication for cytotoxic t cell control of target cells. BMB Rep 48 (7): 369-370.</p> <p>Kiso K, et al. (2017) Transgelin-2 is upregulated on activated b-cells and expressed in hyperplastic follicles in lupus erythematosus patients. PLoS One 12 (9): e0184738.</p> <p>Han MZ, et al. (2017) Tagln2 is a candidate prognostic biomarker promoting tumorigenesis in human gliomas. J Exp Clin Cancer Res 36 (1): 155.</p>                                                                                                                                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/tagln2-antibody-immunoprecipitation-western-blot-elisa/259022>