

KD-Validated Anti-TACC3 Recombinant Rabbit Monoclonal Antibody



Catalog #: 62642

Aliases

TACC3; Transforming Acidic Coiled-Coil Containing Protein 3; ERIC-1; ERIC1; Maskin; Tacc4; Transforming Acidic Coiled-Coil-Containing Protein 3; Transforming, Acidic Coiled-Coil Containing Protein 3

Background

Gene Name: TACC3

NCBI Gene Entry: [10460](#)

UniProt Entry: [Q9Y6A5](#)

Application Information

Molecular Weight: Predicted, 90 kDa, observed, 140 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB1940

Species Reactivity: Human, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC), Immunohistochemistry (IHC)

Immunogen

A synthesized peptide derived from human TACC3

Isotype

Rabbit IgG

Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

Storage

Store at -20 °C for one year.

Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

Immunohistochemistry (IHC): 1:100-1:200

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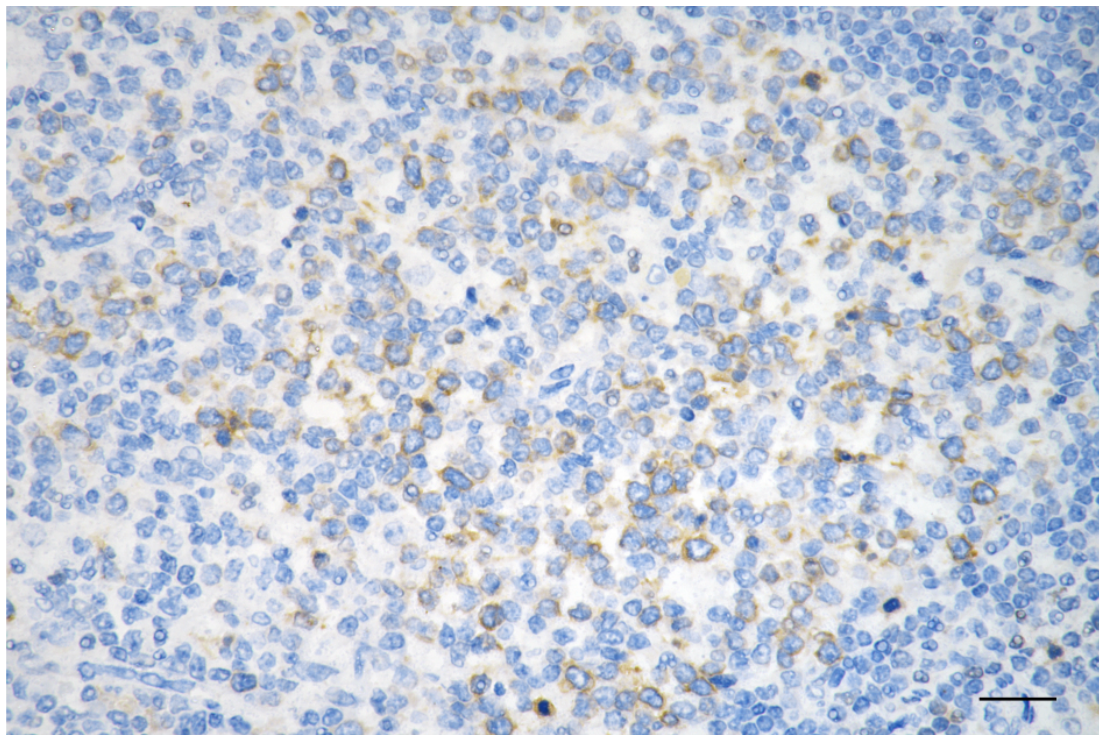
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Note: This product is for research use only.

Validation Data



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Immunohistochemistry was performed on paraffin-embedded human tonsillitis using anti-TACC3 antibody (Cat#62642, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 μ m.

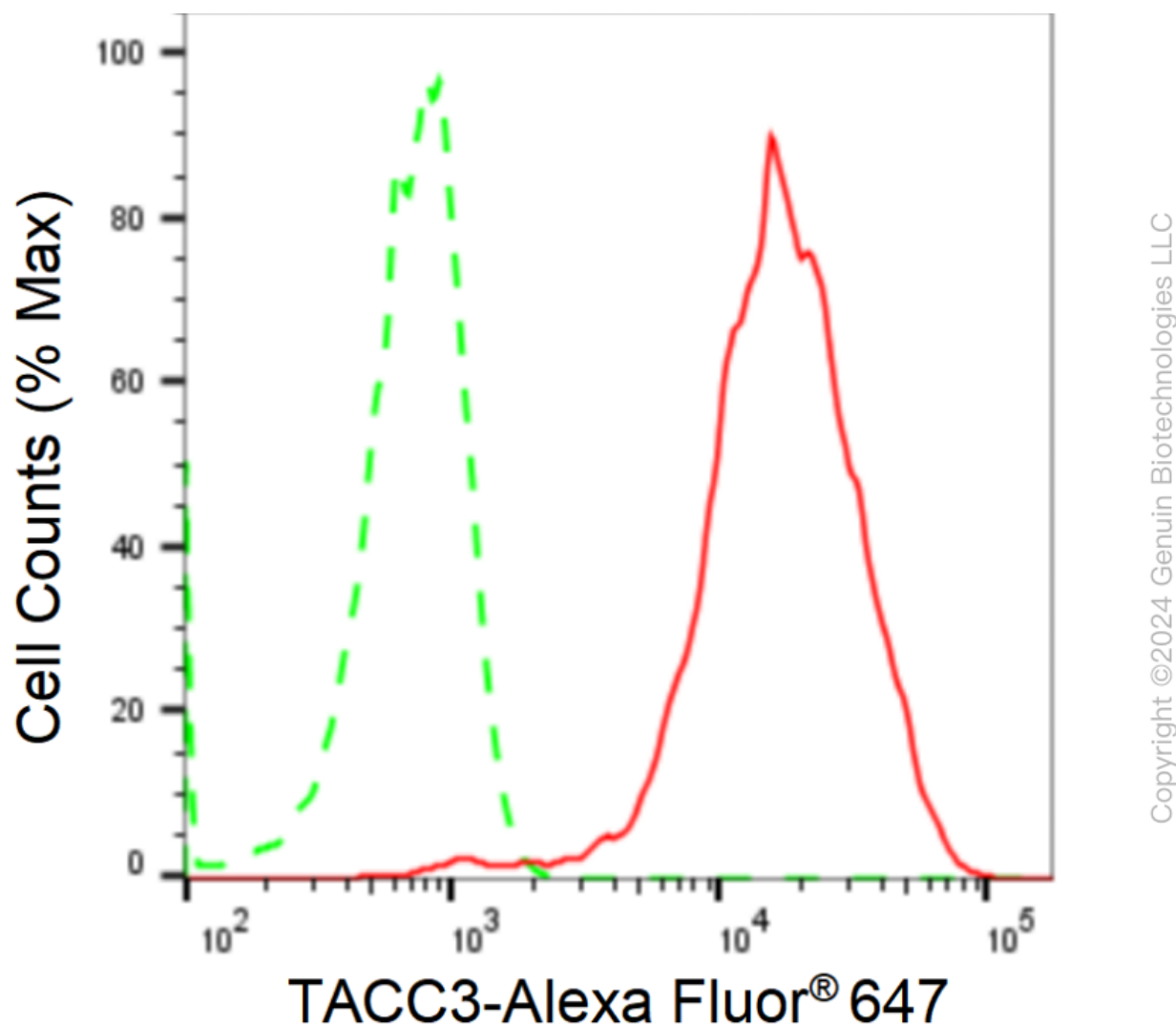
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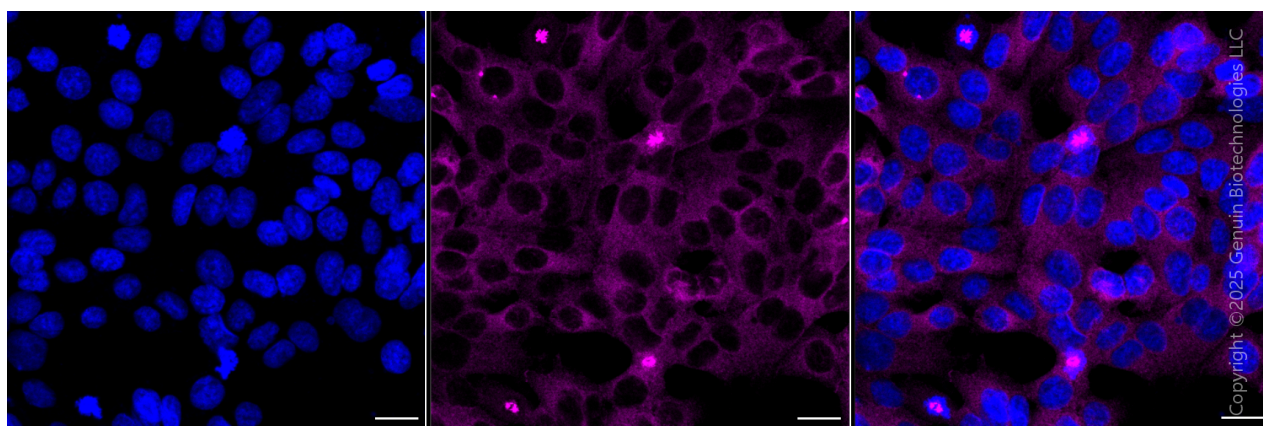
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Flow cytometric analysis of TACC3 expression in HAP-1 cells using anti-TACC3 antibody (Cat#62642, 1:2,000). Green, isotype control; red, TACC3.



Immunocytochemical staining of HAP-1 cells with anti-TACC3 antibody (Cat#62642, 1:1,000) . Nuclei were stained blue with DAPI; TACC3 was stained magenta with Alexa Fluor® 647.

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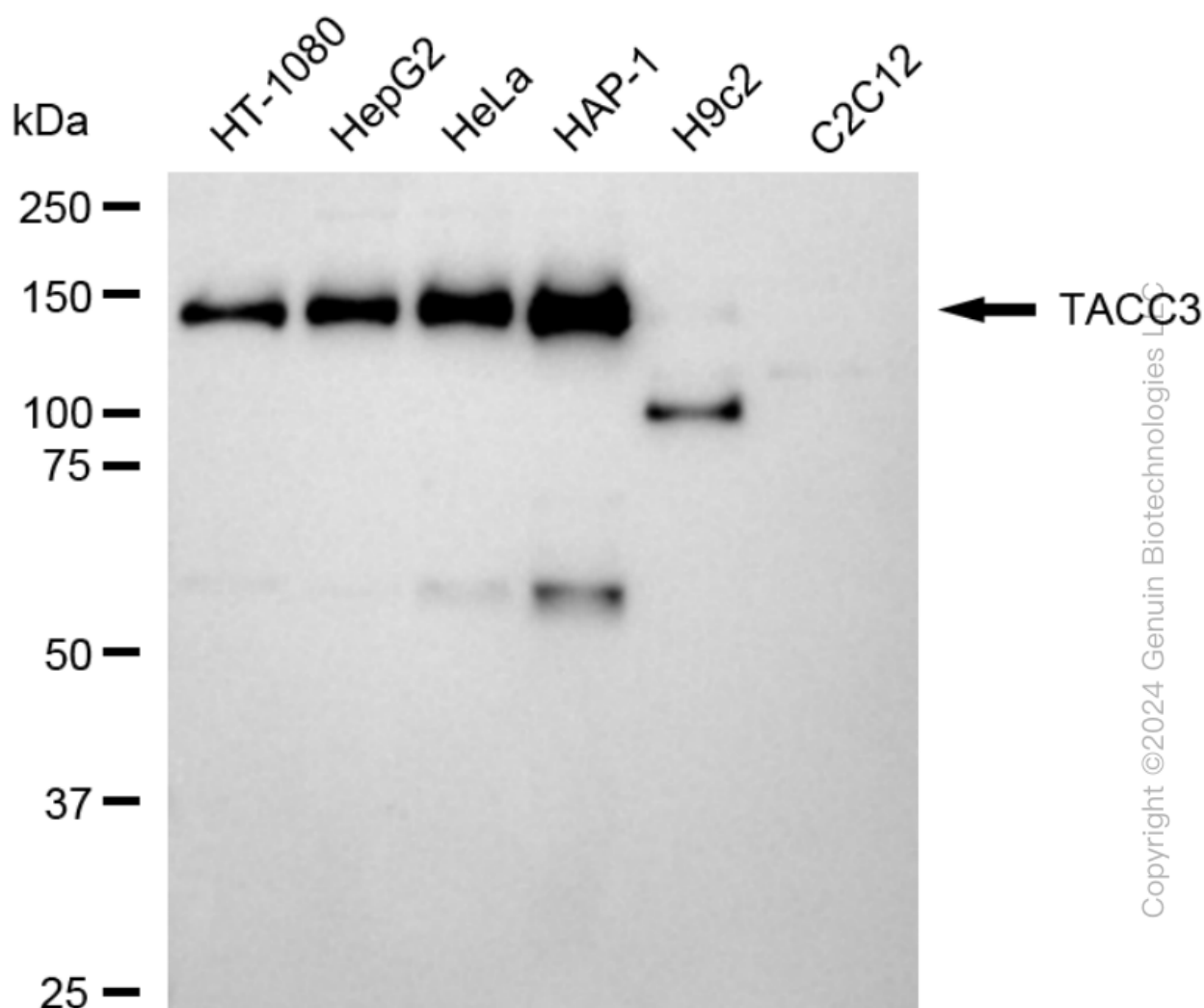
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Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain□Medium. Scale bar, 20 μm.



Western blotting analysis using anti-TACC3 antibody (Cat#62642). Total cell lysates (30 μg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-TACC3 antibody (Cat#62642, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).

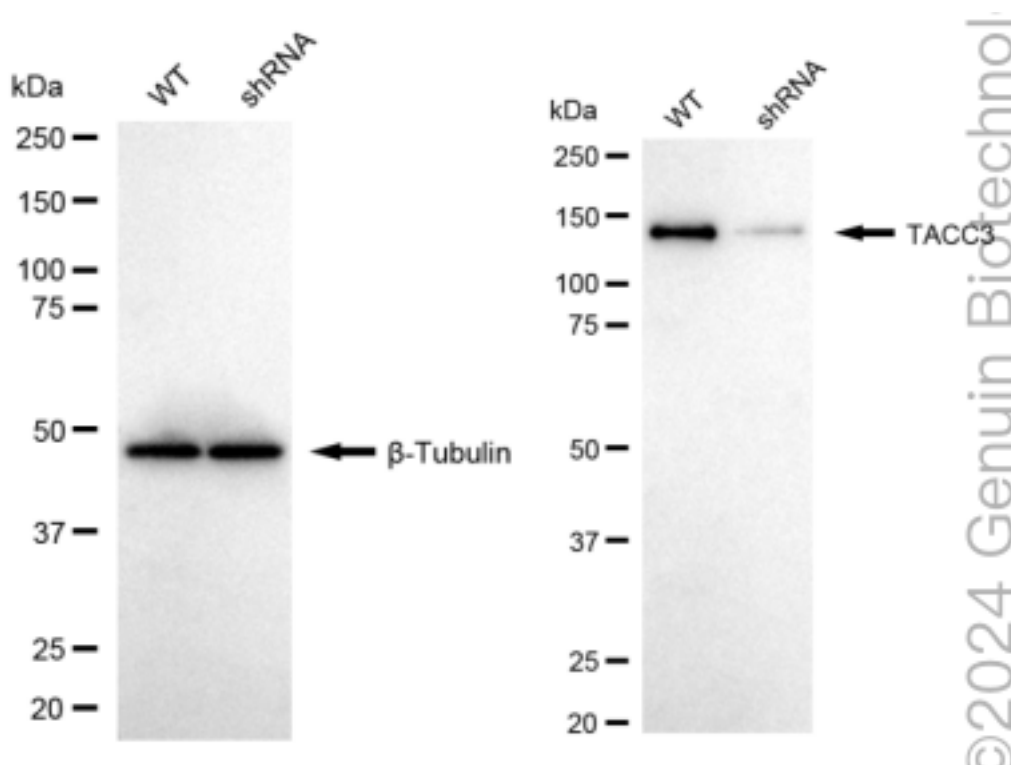
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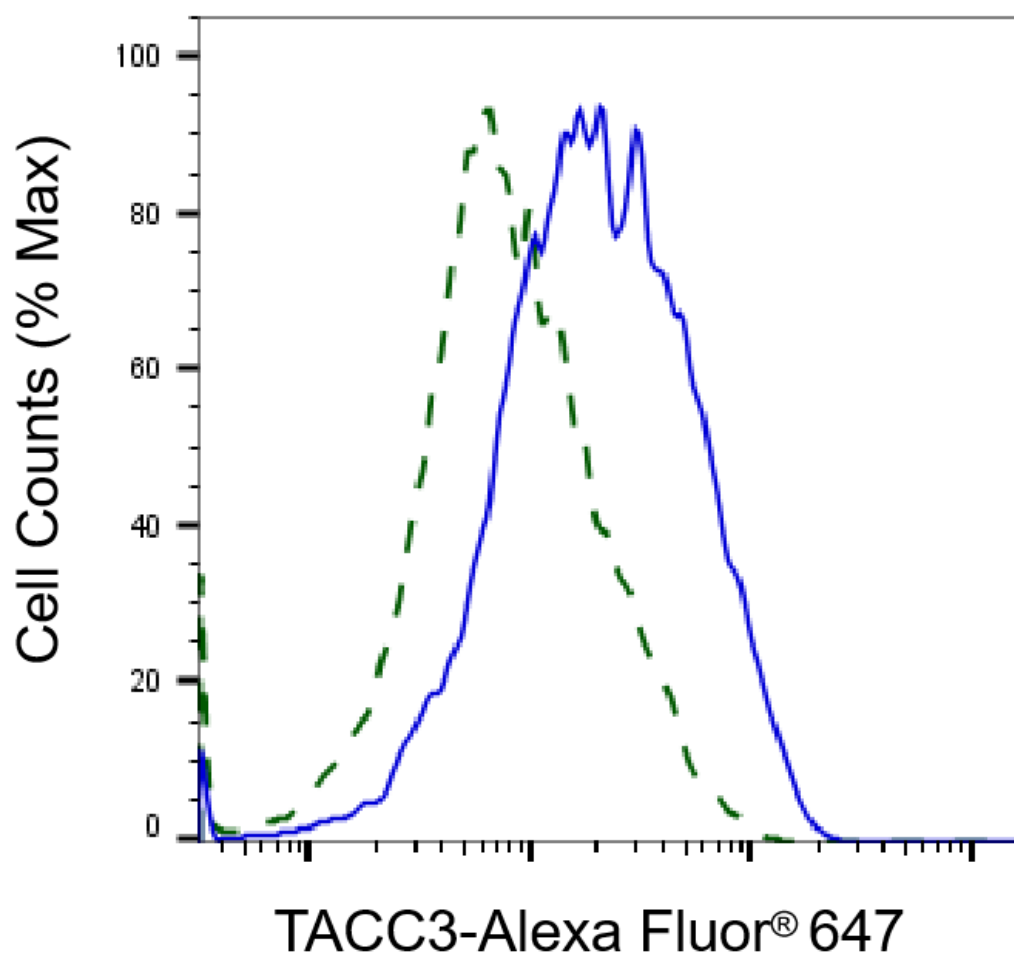
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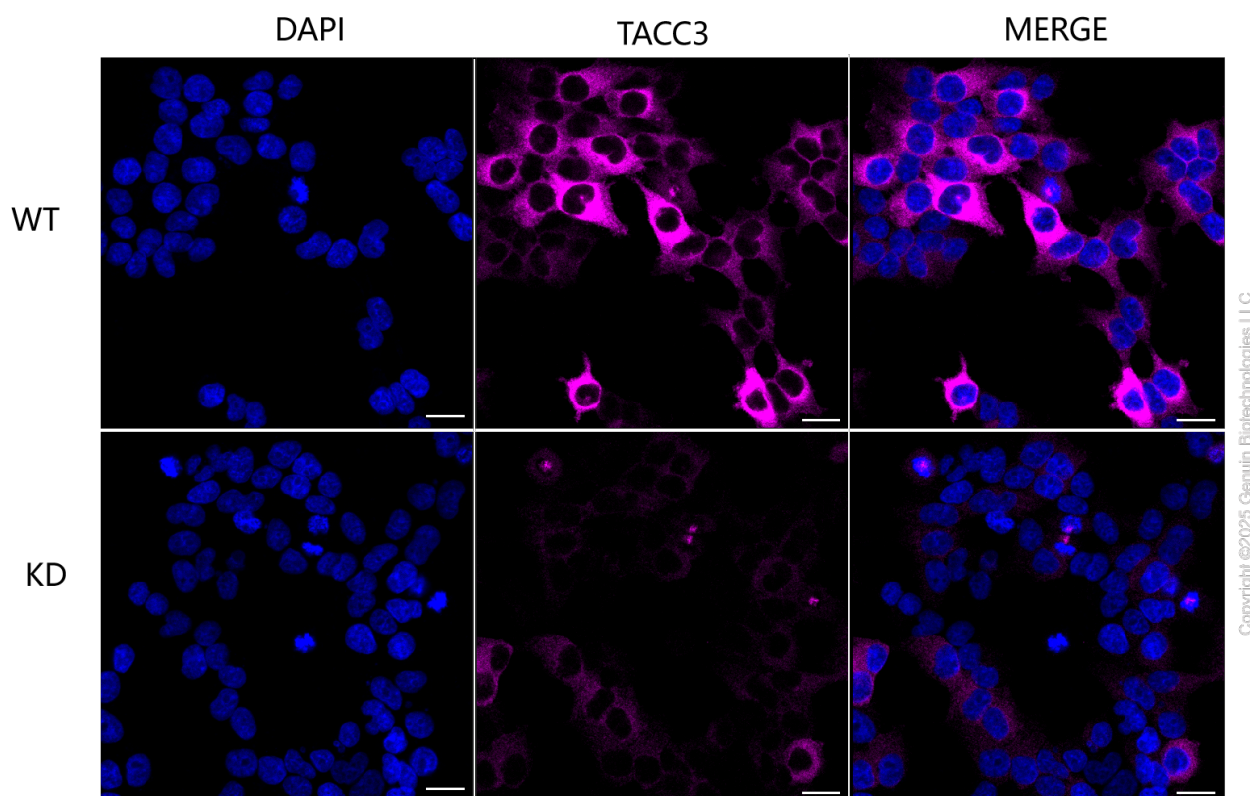


Western blotting analysis using anti-TACC3 antibody (Cat#62642). TACC3 expression in wild type (WT) and TACC3 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with anti-TACC3 antibody (Cat#62642, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).



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Validation of TACC3 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with anti-TACC3 antibody (Cat#62642, 1:2,000) and analyzed using BD flow cytometer.



Immunocytochemical staining of HeLa cells using anti-TACC3 antibody (Cat#62642, 1:1,000), Top panel: wild-type (WT); Bottom panel: TACC3 shRNA knockdown (KD). Nuclei were stained blue with DAPI; TACC3 was stained magenta with Alexa Fluor® 647. Scale bar, 20 μ m. Permeabilization: Triton.