
Product Name: KD-Validated TACC3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00881**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 90.4kDa

Antigen Information

Gene Name	TACC3 TACC3; Transforming Acidic Coiled-Coil Containing Protein 3; ERIC-1; ERIC1; Maskin; Tacc4;
Alternative Names	Transforming Acidic Coiled-Coil-Containing Protein 3; Transforming, Acidic Coiled-Coil Containing Protein 3
Gene ID	10460.0
SwissProt ID	Q9Y6A5
Immunogen	A synthesized peptide derived from human TACC3

Background

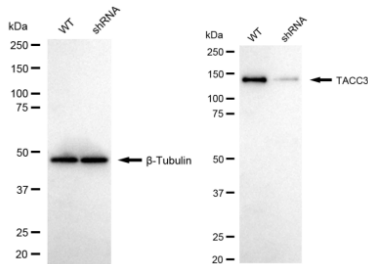
This gene encodes a member of the transforming acidic coiled-coil protein family. The encoded protein is a motor spindle protein that may play a role in stabilization of the mitotic spindle. This protein may also play a role in growth a differentiation of

certain cancer cells. [provided by RefSeq, Nov 2011]

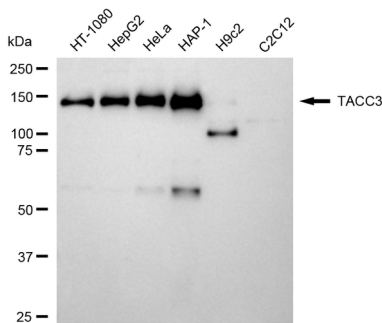
Research Area

Cell Biology

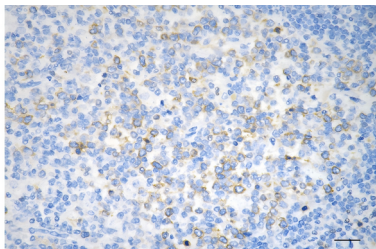
Image Data



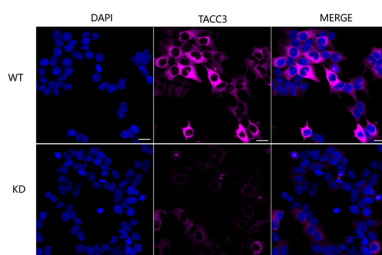
Western blotting analysis using TACC3 antibody (KVA00881). TACC3 expression in wild type (WT) and TACC3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with TACC3 antibody (KVA00881, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



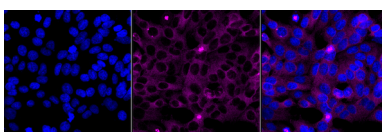
Western blotting analysis using TACC3 antibody (KVA00881). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TACC3 antibody (KVA00881, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



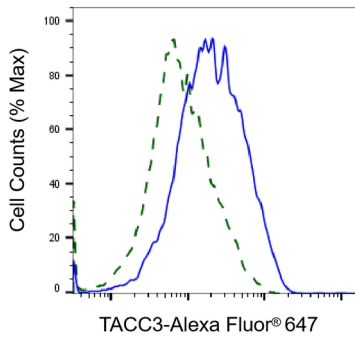
Immunohistochemistry was performed on paraffin-embedded human tonsillitis using TACC3 antibody (KVA00881, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



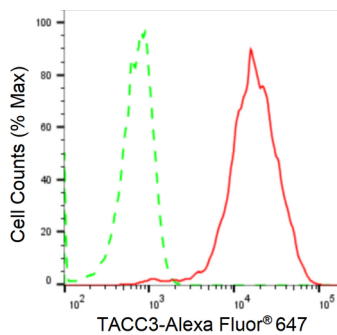
Immunocytochemical staining of HeLa cells using TACC3 antibody (KVA00881, 1:1,000). Top panel: wild-type (WT); Bottom panel: TACC3 shRNA knockdown (KD). Nuclei were stained blue with DAPI; TACC3 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm. Permeabilization: Triton.



Immunocytochemical staining of HAP-1 cells with TACC3 antibody (KVA00881, 1:1,000). Nuclei were stained blue with DAPI; TACC3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain: Medium. Scale bar, 20 µm.



Validation of TACC3 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with TACC3 antibody (KVA00881, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of TACC3 expression in HAP-1 cells using TACC3 antibody (KVA00881, 1:2,000). Green, isotype control; red, TACC3.