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KD-Validated Anti-TACC3 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1720

Specification

KD-Validated Anti-TACC3 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC**
Primary Accession	Q9Y6A5
Reactivity	**Rat, Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 90 kDa , observed , 140 kDa KDa**
Gene Name	**TACC3**
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**
Immunogen	**A synthesized peptide derived from human TACC3**

KD-Validated Anti-TACC3 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**10460**

Other Names
Transforming acidic coiled-coil-containing protein 3, ERIC-1, TACC3, ERIC1

KD-Validated Anti-TACC3 Rabbit Monoclonal Antibody - Protein Information

Name TACC3

Synonyms ERIC1

Function
Plays a role in the microtubule-dependent coupling of the nucleus and the centrosome. Involved in the processes that regulate centrosome-mediated interkinetic nuclear migration (INM) of neural progenitors (By similarity). Acts as a component of the TACC3/ch- TOG/clathrin complex proposed to contribute to stabilization of kinetochore fibers of the mitotic spindle by acting as inter-microtubule bridge. The TACC3/ch-TOG/clathrin complex is required for the maintenance of kinetochore fiber tension (PubMed:21297582, PubMed:23532825). May be involved in the control of cell growth and differentiation. May contribute to cancer (PubMed:14767476).

Cellular Location

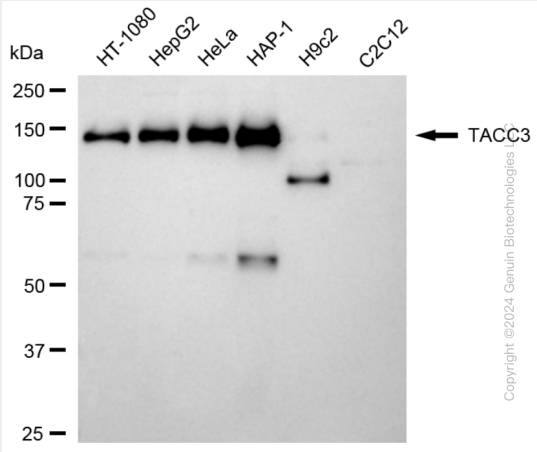
Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole {ECO:0000250|UniProtKB:Q9PTG8}. Note=In complex with CKAP5 localized to microtubule plus-ends in mitosis and interphase. In complex with CKAP5 and clathrin localized to inter-microtubule bridges in mitotic spindles.

KD-Validated Anti-TACC3 Rabbit Monoclonal Antibody - Protocols

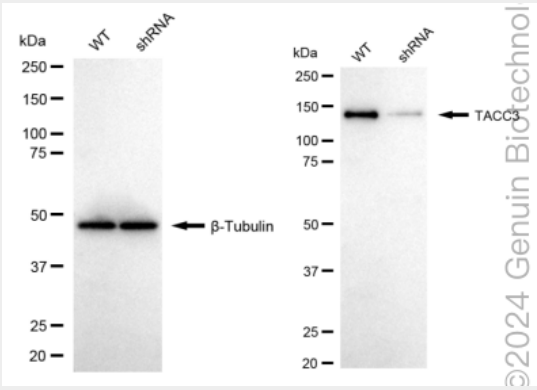
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KD-Validated Anti-TACC3 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-TACC3 antibody (Cat#AGI1720). 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#AGI1720, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-TACC3 antibody (Cat#AGI1720). TACC3 expression in wild type (WT) and TACC3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. β-Tubulin

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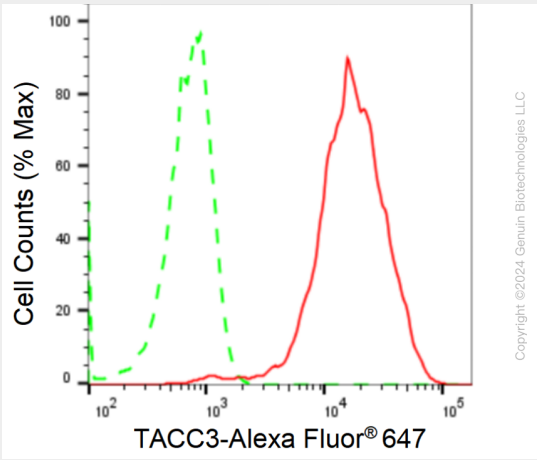
serves as a loading control. The blot was incubated with anti-TACC3 antibody (Cat#AGI1720, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of TACC3 expression in HAP-1 cells using anti-TACC3 antibody (Cat#AGI1720, 1:2,000). Green, isotype control; red, TACC3.