

TACC3 Polyclonal Antibody

Catalog No: YT4522

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: TACC3

Gene Name: TACC3

Protein Name: Transforming acidic coiled-coil-containing protein 3

Q9Y6A5

Q9JJ11

Human Gene Id: 10460

Human Swiss Prot

No:

Mouse Swiss Prot

No:

Immunogen:

The antiserum was produced against synthesized peptide derived from human

TACC3. AA range:789-838

Specificity: TACC3 Polyclonal Antibody detects endogenous levels of TACC3 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source : Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not

yet tested in other applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 80kD



Background:

This gene encodes a member of the transforming acidic colled-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],

Function:

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). May be involved in the control of cell growth and differentiation. May contribute to cancer.,induction:Up-regulated in various cancer cell lines.,similarity:Belongs to the TACC family.,subunit:Interacts with microtubules. Interacts with CCDC100/CEP120. The coiled coil C-terminus region interacts with AH receptor nuclear translocator protein (ARNT) and ARNT2 (By similarity). Interacts with GCN5L2 and PCAF.,

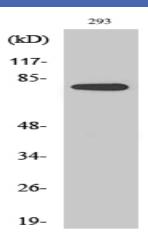
Subcellular Location:

Cytoplasm . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Cytoplasm, cytoskeleton, spindle . Cytoplasm, cytoskeleton, spindle pole . 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. .

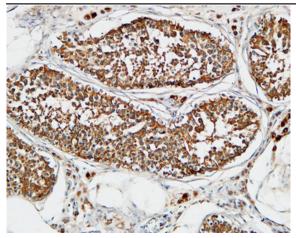
Expression:

Epithelium, PCR rescued clones, Skin,

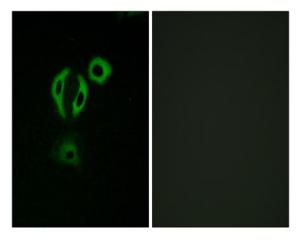
Products Images



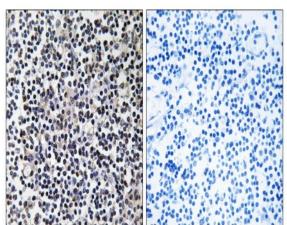
Western Blot analysis of various cells using TACC3 Polyclonal Antibody



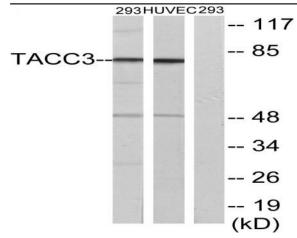
Immunohistochemical analysis of paraffin-embedded Human testis. 1, Antibody was diluted at 1:100(4 $^{\circ}$ overnight). 2, Highpressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



Immunofluorescence analysis of A549 cells, using TACC3 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human tonsil tissue, using TACC3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from 293 and HUVEC cells, using TACC3 Antibody. The lane on the right is blocked with the synthesized peptide.