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TACC3 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21957c

Product Information

Application	WB, E
Primary Accession	Q9Y6A5
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB54344
Calculated MW	90360

Additional Information

Gene ID	10460
Other Names	Transforming acidic coiled-coil-containing protein 3, ERIC-1, TACC3, ERIC1
Target/Specificity	This TACC3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 317-350 amino acids from the Central region of human TACC3.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TACC3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

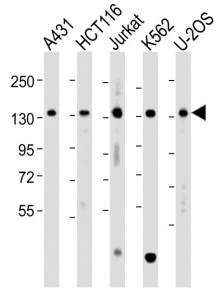
Background

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.

References

Still I.H.,et al.Genomics 58:165-170(1999).
McKeveney P.J.,et al.Br. J. Haematol. 112:1016-1024(2001).
Gangisetty O.,et al.Oncogene 23:2559-2563(2004).
Beausoleil S.A.,et al.Nat. Biotechnol. 24:1285-1292(2006).
Cantin G.T.,et al.J. Proteome Res. 7:1346-1351(2008).

Images



All lanes : Anti-TACC3 Antibody (Center) at 1:2000 dilution Lane 1: A431 whole cell lysate Lane 2: HCT116 whole cell lysate Lane 3: Jurkat whole cell lysate Lane 4: K562 whole cell lysate Lane 5: U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 90 kDa Blocking/Dilution buffer: 5% NFDM/TBST.