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TACC3 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP21917c

Specification

TACC3 Blocking Peptide (Center) - Product Information

Primary Accession O9Y6A5

TACC3 Blocking Peptide (Center) - Additional Information

Gene ID 10460

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

Target/Specificity
The synthetic peptide sequence is selected from aa 518-530 of HUMAN TACC3

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TACC3 Blocking Peptide (Center) - 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

TACC3 Blocking Peptide (Center) - 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.

TACC3 Blocking Peptide (Center) - 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).

nuclear migration (INM) of neural progenitors (By similarity). Acts as 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.

TACC3 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides