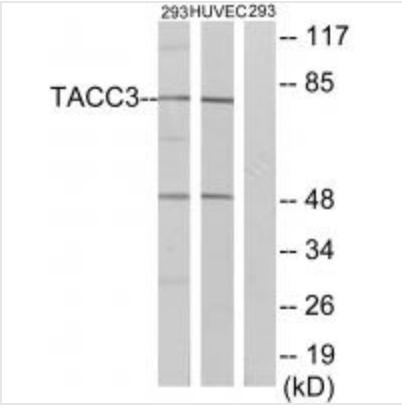
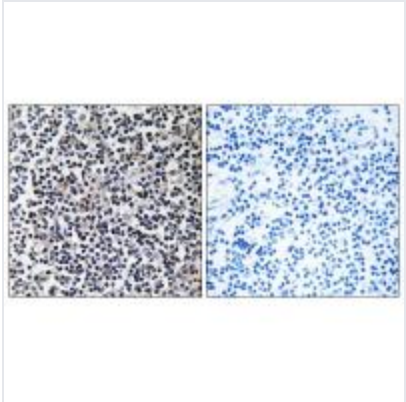
TACC3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TACC3, Polyclonal Antibody
Full Product Name	TACC3 Antibody
Product Gene Name	anti-TACC3 antibody
Product Synonym Names	ERIC-1; ERIC1; TAC3; Transforming acidic coiled-coil-containing protein 3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total TACC3 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	90,360 Da
OMIM	605303
3D Structure	ModBase 3D Structure for Q9Y6A5
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human TACC3.
Target Name	TACC3
Product Categories/Family for anti-TACC3 antibody	Total protein Ab
Applications Tested/Suitable for anti-TACC3 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-TACC3 antibody	Western blotting: 1:500~1:3000 Immunohistochemistry: 1:50~1:100 Immunofluorescence: 1:100~1:500
Related Product Information for anti-TACC3 antibody	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.Still I.H., Genomics 58:165-170(1999).McKeveney P.J. Br. J. Haematol. 112:1016-1024(2001).Gangisetty O., Oncogene 23:2559-2563(2004).
Other Notes	Small volumes of anti-TACC3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TACC3 purchase	MBS9402002 is an antibody targeting TACC3. Also known as TACC3 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-TACC3 antibody
Western blot analysis of extracts from 293 cells and HUVEC cells, using TACC3 antibody.



Immunohistochemistry (IHC) of anti-TACC3 antibody
Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using TACC3 antibody.



Immunofluorescence (IF) of anti-TACC3 antibody
Immunofluorescence analysis of A549cells, using TACC3 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TACC3. It may not necessarily be applicable to this product.

NCBI GI #	5454102
NCBI GeneID	10460
NCBI Accession #	NP_006333.1
UniProt Primary Accession #	Q9Y6A5
UniProt Secondary Accession #	Q2NKK4; Q3KQS5; Q9UMQ1
UniProt Related Accession #	Q9Y6A5
GenBank Nucleotide #	NM_006342.2
NCBI Official Full Name	transforming acidic coiled-coil-containing protein 3
NCBI Official Synonym Full Names	transforming, acidic coiled-coil containing protein 3
NCBI Official Symbol	TACC3
NCBI Official Synonym Symbols	ERIC1; ERIC-1
UniProt Protein Name	Transforming acidic coiled-coil-containing protein 3
UniProt Synonym Protein Names	ERIC-1
Protein Family	Transforming acidic coiled-coil-containing protein
UniProt Gene Name	TACC3

UniProt Synonym Gene Names	ERIC1
UniProt Entry Name	TACC3_HUMAN
NCBI Protein Information	transforming acidic coiled-coil-containing protein 3
NCBI Summary for TACC3	This gene encodes a member of the transforming acidic colied-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]
UniProt Comments for TACC3	TACC3: 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. May be involved in the control of cell growth and differentiation. May contribute to cancer. Interacts with microtubules. Interacts with CCDC100/CEP120. The coiled coil C-terminus region interacts with AH receptor nuclear translocator protein (ARNT) and ARNT2. Interacts with GCN5L2 and PCAF. Up-regulated in various cancer cell lines. Belongs to the TACC family. Protein type: Cell cycle regulation Chromosomal Location of Human Ortholog: 4p16.3 Cellular Component: centrosome; cytoplasm Molecular Function: protein domain specific binding; protein binding Biological Process: cell proliferation; regulation of microtubule-based process; cytoplasmic sequestering of transcription factor; astral microtubule organization and biogenesis; neurogenesis; regulation of cell cycle; response to hypoxia; hemopoiesis; cerebral cortex development; microtubule cytoskeleton organization and biogenesis; interkinetic nuclear migration Disease: Bladder Cancer
Research Articles on TACC3	**1.** TACC3 depletion induces G1 arrest and cell death by activating p38-p53-p21 signaling and triggering a centrosome-mediated cellular stress response.
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