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TACC3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant TACC3.
Catalog # AT4133a

Product Information

Application	WB, IHC, E
Primary Accession	Q9Y6A5
Other Accession	NM_006342
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG3 Kappa
Clone Names	6C4
Calculated MW	90360

Additional Information

Gene ID	10460
Other Names	Transforming acidic coiled-coil-containing protein 3, ERIC-1, TACC3, ERIC1
Target/Specificity	TACC3 (NP_006333, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	TACC3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

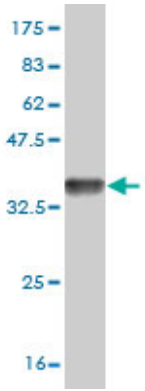
The function of this gene has not yet been determined; however, it is speculated that it may be involved in cell growth and differentiation. Expression of this gene is up-regulated in some cancer cell lines, and in embryonic day 15 in mice.

References

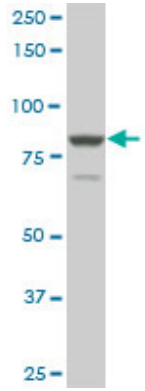
Clathrin heavy chain mediates TACC3 targeting to mitotic spindles to ensure spindle stability. Lin CH, et al. J Cell Biol, 2010 Jun 28. PMID 20566684.Centrosome-related genes, genetic variation, and risk of breast cancer. Olson JE, et al. Breast Cancer Res Treat, 2010 May 28. PMID 20508983.A sequence variant at 4p16.3 confers susceptibility to urinary bladder cancer. Kiemeney LA, et al. Nat Genet, 2010 May. PMID

20348956.Association of mitotic regulation pathway polymorphisms with pancreatic cancer risk and outcome. Couch FJ, et al. Cancer Epidemiol Biomarkers Prev, 2010 Jan. PMID 20056645.Cdh1 controls the stability of TACC3. Jeng JC, et al. Cell Cycle, 2009 Nov 1. PMID 19823035.

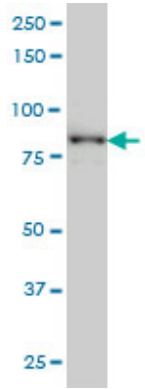
Images



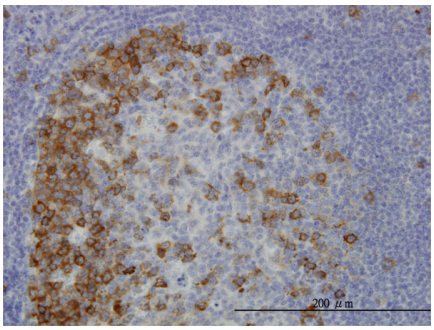
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



TACC3 monoclonal antibody (M02), clone 6C4. Western Blot analysis of TACC3 expression in PC-12((Cat # AT4133a)

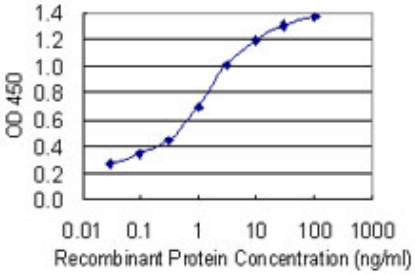


TACC3 monoclonal antibody (M02), clone 6C4 Western Blot analysis of TACC3 expression in Hela S3 NE ((Cat # AT4133a)



Immunoperoxidase of monoclonal antibody to TACC3 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]

Detection limit for recombinant GST tagged TACC3 is 0.03 ng/ml as a capture antibody.



Citations

- Transforming acidic coiled-coil-containing protein 3 (TACC3) overexpression in hepatocellular carcinomas is associated with "stemness" and epithelial-mesenchymal transition-related marker expression and a poor prognosis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.