

For Research Use Only

TACC2 Polyclonal antibody

Catalog Number: 11407-1-AP **2 Publications**



Basic Information

Catalog Number: 11407-1-AP	GenBank Accession Number: BC015736	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop and 427 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10579	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	Full Name: transforming, acidic coiled-coil containing protein 2	
Isotype: IgG	Calculated MW: 2948 aa, 309 kDa	
Immunogen Catalog Number: AG1923	Observed MW: 73 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB: mouse testis tissue,
Species Specificity: human, mouse, rat	IHC: human lung cancer tissue,
Cited Species: human	IF: A431 cells,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Transforming acidic coiled-coil (TACC) proteins are a conserved family of centrosome- and microtubule-interacting proteins that are implicated in cancer. TACC2, also known as anti-zuai-1 (AZU-1), was abundantly expressed in non- and premalignant cells and tissues but was appreciably reduced in breast tumor cell types and in primary tumors, thus TACC2 may act as a tumor suppressor protein and represent a tumor progression marker. Several transcript variants encoding different isoforms have been found for this gene. Chromosome segregation in mitosis is orchestrated by dynamic interaction between spindle microtubule and the kinetochore. Centrosomal TACC2 plays a role in organizing centrosomal microtubules and is required for mitotic spindle maintenance.

Notable Publications

Author	Pubmed ID	Journal	Application
Shakya Manjul	29843208	Cancer Biomark	WB, IHC
Jennifer Munkley	30271587	F1000Res	WB

Storage

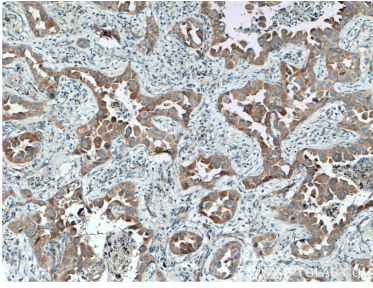
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

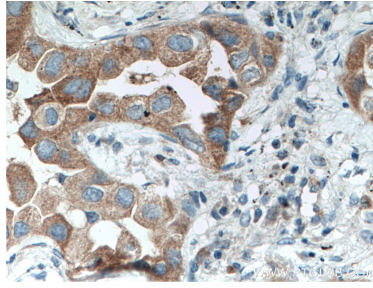
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

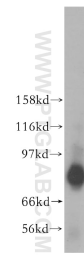
Selected Validation Data



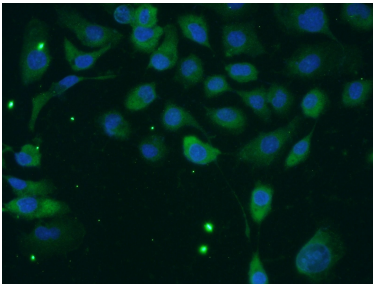
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11407-1-AP (TACC2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11407-1-AP (TACC2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



mouse testis tissue were subjected to SDS PAGE followed by western blot with 11407-1-AP (TACC2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of A431 cells using 11407-1-AP (TACC2 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).