

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: 700 µg/ml	GeneID (NCBI): 10579	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:10-1:100
Source: Rabbit	UNIPROT ID: O95359	
Isotype: IgG	Full Name: transforming, acidic coiled-coil containing protein 2	
Immunogen Catalog Number: AG1923	Calculated MW: 2948 aa, 309 kDa	
	Observed MW: 73 kDa	

Applications

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

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

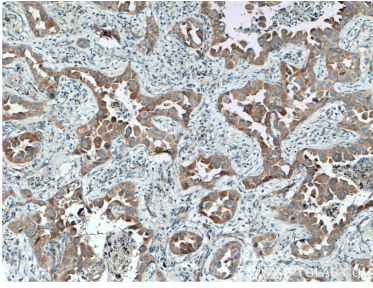
Storage

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

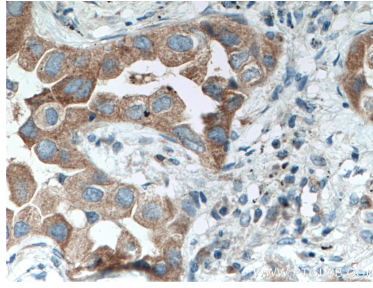
For technical support and original validation data for this product please contact:
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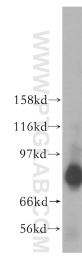
Selected Validation Data



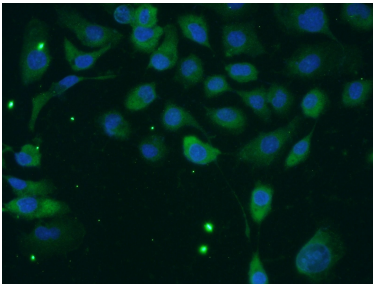
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11407-1-AP (TACC2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



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).