

For Research Use Only

# TACC2 Polyclonal antibody

Catalog Number: 11407-1-AP

2 Publications



## Basic Information

### Catalog Number:

11407-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1923

### GenBank Accession Number:

BC015736

### GeneID (NCBI):

10579

### UNIPROT ID:

O95359

### Full Name:

transforming, acidic coiled-coil containing protein 2

### Calculated MW:

2948 aa, 309 kDa

### Observed MW:

73 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human

### Positive Controls:

WB : mouse testis tissue,

IHC : human lung cancer tissue,

**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	F 1000Res	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

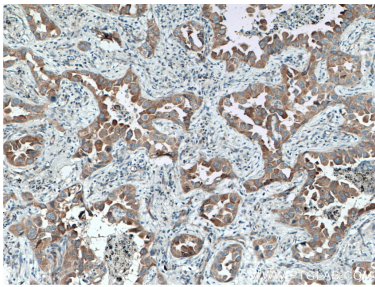
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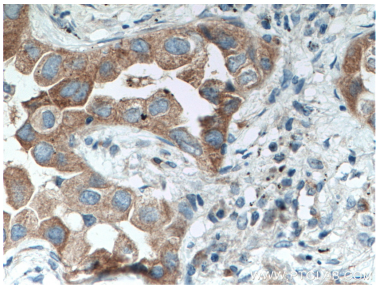
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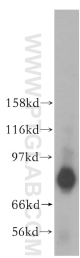
Selected Validation Data



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.