

# ACK1 Polyclonal antibody

Catalog Number: 14304-1-AP

Featured Product

2 Publications

## Basic Information

## Catalog Number:

14304-1-AP

## Size:

400 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG5419

## GenBank Accession Number:

BC028164

## GeneID (NCBI):

10188

## UNIPROT ID:

Q07912

## Full Name:

tyrosine kinase, non-receptor, 2

## Calculated MW:

115 kDa

## Observed MW:

70 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

## Tested Applications:

IHC, WB, ELISA

## Cited Applications:

WB

## Species Specificity:

human, mouse, rat

## Cited Species:

human, mouse

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

## Positive Controls:

**WB** : SH-SY5Y cells, HepG2 cells, HT-1080 cells, A431 cells, mouse brain tissue, HeLa cells, A549 cells

**IHC** : human breast cancer tissue,

## Background Information

TNK2, also named ACK1, belongs to the protein kinase superfamily and Tyr protein kinase family. It is a non-receptor tyrosine-protein and serine/threonine-protein kinase that is implicated in cell spreading and migration, cell survival, and cell proliferation. TNK2 transduces extracellular signals to cytosolic and nuclear effectors. It is a downstream effector of CDC42 which mediates CDC42-dependent cell migration via phosphorylation of BCAR1. TNK2 confers metastatic properties on cancer cells by negatively regulating tumor suppressors such as WWOX and positively regulating pro-survival factors such as AKT1 and AR. The 60-70kd band is the isoform 2 of TNK2. Isoform 1 and 3 is about 120-125kd.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lei He	30702192	Cell Microbiol	WB
G F Sengül	37926156	Biochim Biophys Acta Mol Cell Res	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

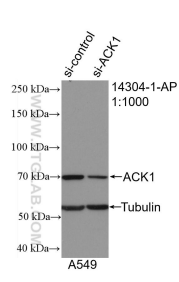
For technical support and original validation data for this product please contact:

T: 4006900926

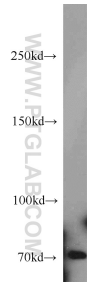
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

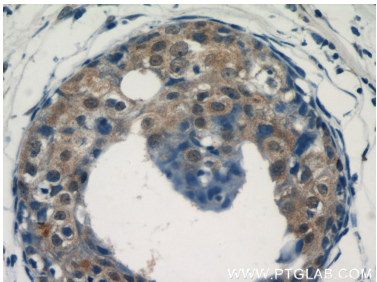
Selected Validation Data



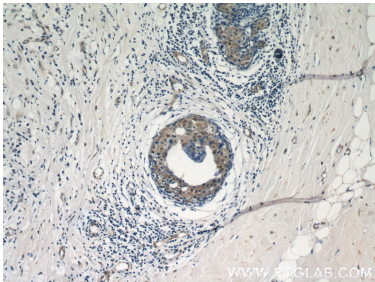
WB result of ACK1 antibody (14304-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ACK1 transfected A549 cells.



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 14304-1-AP (ACK1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 14304-1-AP (ACK1 antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 14304-1-AP (ACK1 antibody) at dilution of 1:50 (under 10x lens).