

For Research Use Only

ACK1 Polyclonal ANTIBODY



Catalog Number: 14304-1-AP **1 Publications**

Basic Information

Catalog Number: 14304-1-AP	GenBank Accession Number: BC028164	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Size: mg/ml	GeneID (NCBI): 10188	
Source: Rabbit	Full Name: tyrosine kinase, non-receptor, 2	
Isotype: IgG	Calculated MW: 115 kDa	
Purification Method: Antigen affinity purification	Observed MW: 70 kDa	
Immunogen Catalog Number: AG5419		

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : SH-SY5Y cells; A431 cells, HeLa cells, HepG2 cells, HT-1080 cells, mouse brain tissue
Cited Applications: WB	IHC : human breast cancer;
Species Specificity: human,mouse,rat	
Cited Species: human	

Background Information

TNK2, also named as 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, cell growth and 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 and promotes tumor growth by negatively regulating tumor suppressor 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

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS,pH 7.3.
Aliquoting is unnecessary for -20°C storage

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)

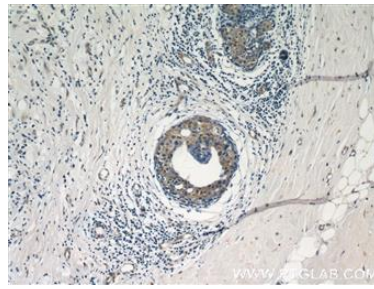
E: proteintech@ptglab.com
W: ptglab.com

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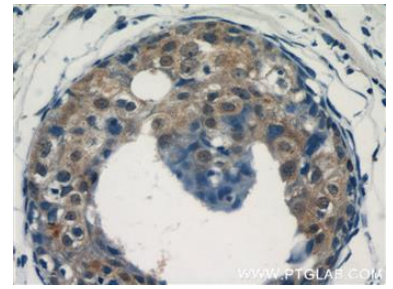
Selected Validation Data



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



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