

ACK1 Polyclonal Antibody

Catalog number: 14304-1-AP

Size: 20 µg/150 µl

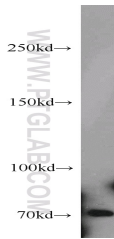
Source: Rabbit

Isotype: IgG

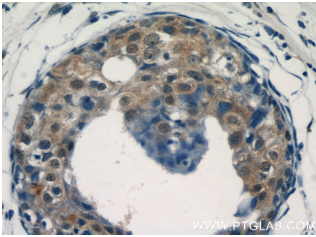
Synonyms:

TNK2; ACK; ACK1; FLJ44758;

FLJ45547; p21cdc42Hs



SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 14304-1-AP (ACK1 Antibody) at dilution of 1:600



Immunohistochemistry of paraffin-embedded human breast cancer using 14304-1-AP (ACK1 Antibody) at Dilution 1:50 (under 40x lens)

Background

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.

Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human, mouse, rat; other species not tested.
Positive WB detected in:	SH-SY5Y cells, A431 cells, HeLa cells, HepG2 cells, mouse brain tissue, HT-1080 cells
Calculated ACK1 MW:	115kd
Observed ACK1 MW:	70 kDa
Positive IHC detected in:	Human breast cancer
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation, FC = Flow cytometry

Immunogen information

Immunogen:	Ag5419
GenBank accession number:	BC028164
Gene ID (NCBI):	10188
Full name:	Tyrosine kinase, non-receptor, 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.