Datasheet for ABIN7138968

anti-TNK2 antibody (pTyr284)

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	TNK2
Binding Specificity:	pTyr284
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 284 (D-H-Y(p)-V-M) derived from Human ACK1.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

Target Details

Target:	TNK2
Alternative Name:	TNK2 (TNK2 Products)

Target Details

Background:	Background: Non-receptor tyrosine-protein and serine/threonine-protein kinase that is implicated in cell spreading and migration, cell survival, cell growth and proliferation. Transduces extracellular signals to cytosolic and nuclear effectors. Phosphorylates AKT1, AR, MCF2, WASL and WWOX. Implicated in trafficking and clathrin-mediated endocytosis through binding to epidermal growth factor receptor (EGFR) and clathrin. Binds to both poly- and mono-ubiquitin and regulates ligand-induced degradation of EGFR, thereby contributing to the accumulation of EGFR at the limiting membrane of early endosomes. Manser E., Nature 363:364-367(1993). Ota T., Nat. Genet. 36:40-45(2004). Eisenmann K.M., Nat. Cell Biol. 1:507-513(1999) Aliases: Acetate kinase 1 antibody, Acetokinase 1 antibody, ACK 1 antibody, ACK antibody, ACK-1 antibody, ACK1 antibody, ACK1_HUMAN antibody, Activated Cdc42 associated kinase 1 antibody, Activated CDC42 kinase 1 antibody, Activated p21cdc42Hs kinase antibody, FLJ44758 antibody, FLJ45547 antibody, p21cdc42Hs antibody, TNK 2 antibody, TNK2 antibody, Tyrosine kinase non receptor 2 antibody, Tyrosine kinase non receptor protein 2 antibody, Tyrosine kinase non-receptor protein 2 antibody
UniProt:	Q07912

Application Details

Application Notes:	WB:1:500-1:1000, IHC:1:50-1:100, IF:1:100-1:200,
Restrictions:	For Research Use only

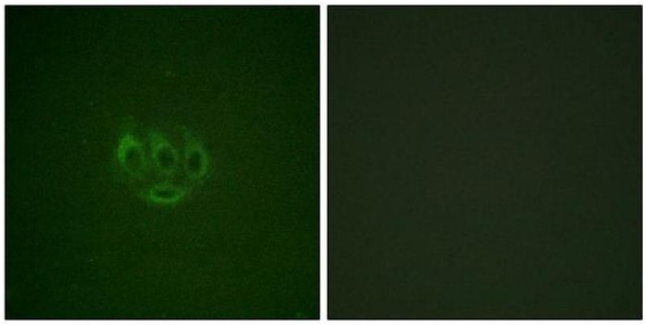
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

Handling

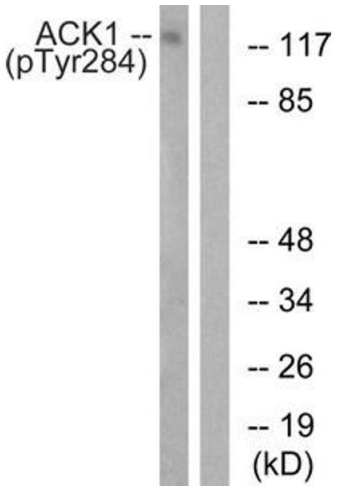
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



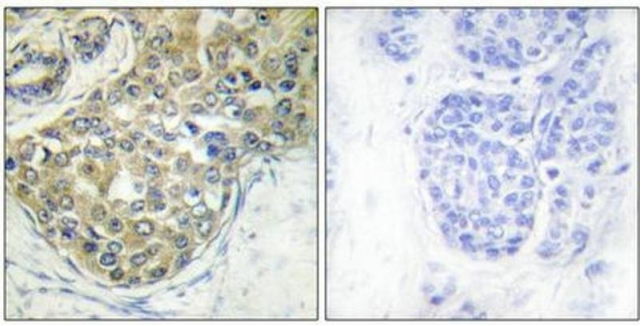
Immunofluorescence

Image 1. Immunofluorescence staining of methanol-fixed A549 cells using ACK1 (Phospho-Tyr284) Antibody.



Western Blotting

Image 2. Western blot analysis of extracts from HepG2 cells treated with EGF using ACK1 (Phospho-Tyr284) Antibody.The lane on the right is treated with the antigen-specific peptide.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ACK1 (Phospho-Tyr284) antibody (left)or the same antibody preincubated with blocking peptide (right).