

Datasheet for ABIN6241018  
**anti-TNK2 antibody (pTyr284)**[Go to Product page](#)

## 3 Images

## Overview

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

## Product Details

Immunogen:	synthetic peptide
------------	-------------------

## Target Details

Target:	TNK2
Alternative Name:	ACK1 ( <a href="#">TNK2 Products</a> )
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

## Target Details

EGFR at the limiting membrane of early endosomes. Downstream effector of CDC42 which mediates CDC42-dependent cell migration via phosphorylation of BCAR1. May be involved both in adult synaptic function and plasticity and in brain development. Activates AKT1 by phosphorylating it on 'Tyr-176'. Phosphorylates AR on 'Tyr-267' and 'Tyr-363' thereby promoting its recruitment to androgen-responsive enhancers (AREs). Phosphorylates WWOX on 'Tyr- 287'. Phosphorylates MCF2, thereby enhancing its activity as a guanine nucleotide exchange factor (GEF) toward Rho family proteins. Contributes to the control of AXL receptor levels. 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.

UniProt: [Q07912](#)

## Application Details

Application Notes: IF: 1:100. WB: 1:1000. IHC: 1:50~100

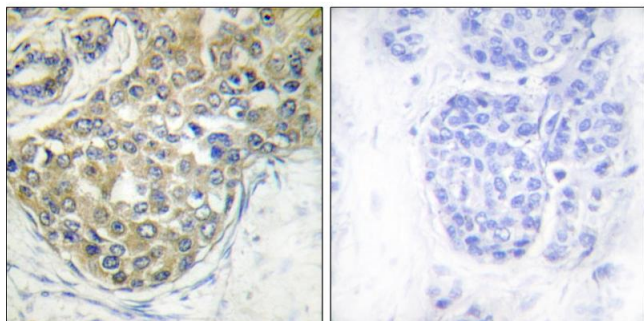
Restrictions: For Research Use only

## Handling

Format: Liquid

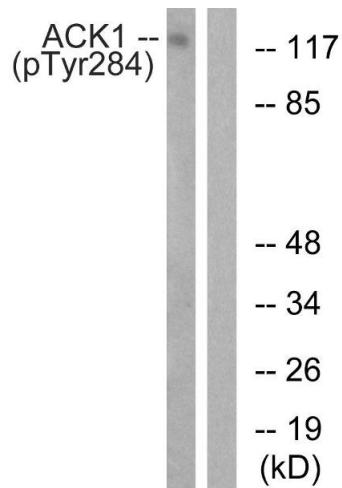
Storage: 4 °C, -20 °C

## Images



### Immunohistochemistry

**Image 1.** Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using ACK1 (Phospho-Tyr284) antibody.



#### Western Blotting

**Image 2.** Western blot analysis of extracts from HepG2 cells, treated with EGF (200 ng/mL, 30 mins), using ACK1 (Phospho-Tyr284) antibody.



#### Immunofluorescence

**Image 3.** Immunofluorescence analysis of A549 cells, using ACK1 (Phospho-Tyr284) antibody.