

Datasheet for ABIN392113  
**anti-TNK1 antibody (AA 256-286)**[Go to Product page](#)

2 Images

1 Publication

## Overview

Quantity:	400 µL
Target:	TNK1
Binding Specificity:	AA 256-286
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This TNK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 256-286 amino acids from the Central region of human TNK1.
Clone:	RB3104
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## Target Details

Target:	TNK1
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## Target Details

Alternative Name:	TNK1 ( <a href="#">TNK1 Products</a> )
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the $\gamma$ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.
Molecular Weight:	72468
Gene ID:	8711
NCBI Accession:	<a href="#">NP_001238831</a> , <a href="#">NP_003976</a>
UniProt:	<a href="#">Q13470</a>

## Application Details

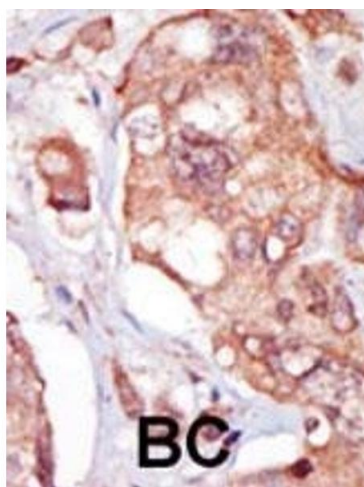
Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C, -20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

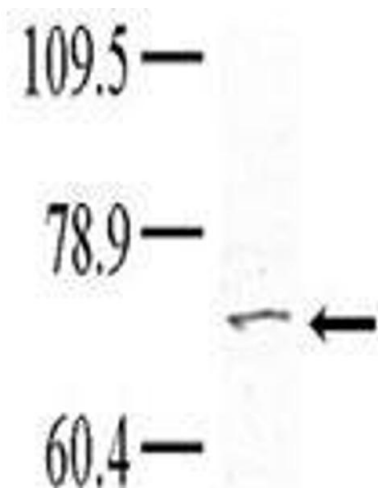
- Product cited in: Heydasch, Kessler, Warnke, Eschrich, Scholz, Bigl: "Functional diversity of PFKFB3 splice variants in glioblastomas." in: **PloS one**, Vol. 16, Issue 7, pp. e0241092, (2021) ([PubMed](#)).
- Lee, Lee, Yun, Jang, Kang, Kim, Choi, Park: "Silver nanoparticles affect glucose metabolism in hepatoma cells through production of reactive oxygen species." in: **International journal of nanomedicine**, Vol. 11, pp. 55-68, (2016) ([PubMed](#)).
- Reddy, Fernandes, Deshpande, Weisberg, Inguilizian, Abdel-Wahab, Kung, Levine, Griffin, Sattler : "The JAK2V617F oncogene requires expression of inducible phosphofructokinase/fructose-bisphosphatase 3 for cell growth and increased metabolic activity." in: **Leukemia**, Vol. 26, Issue 3, pp. 481-9, (2012) ([PubMed](#)).
- Ando, Uehara, Kogure, Asano, Nakajima, Abe, Kawauchi, Tanaka: "Interleukin 6 enhances glycolysis through expression of the glycolytic enzymes hexokinase 2 and 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase-3." in: **Journal of Nippon Medical School = Nippon Ika Daigaku zasshi**, Vol. 77, Issue 2, pp. 97-105, (2010) ([PubMed](#)).
- Yamasaki, Hayashi, Okamoto, Osanai, Lee: "Insulin-independent promotion of chemically induced hepatocellular tumor development in genetically diabetic mice." in: **Cancer science**, Vol. 101, Issue 1, pp. 65-72, (2010) ([PubMed](#)).

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

**Western Blotting**

**Image 2.** Western blot analysis of anti-TNK1 pab (cat (ABIN392113 and ABIN2837980)) in HeLa cell line lysate. Dilution of anti-TNK1 was 1:100, dilution of secondary antibody (goat anti-rabbit-HRP) was 1:7000. Data and protocol courtesy of Dr. Richard Lu, Partners HealthCare System at Harvard University.