

Datasheet for ABIN392371  
**anti-TBK1 antibody (AA 150-181)**

5 Images

1 Publication

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## Overview

Quantity:	400 µL
Target:	TBK1
Binding Specificity:	AA 150-181
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TBK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This TBK antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 150-181 amino acids from human TBK.
Clone:	RB16573
Isotype:	Ig Fraction
Predicted Reactivity:	Zf, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	TBK1
Alternative Name:	TBK1 ( <a href="#">TBK1 Products</a> )

## Target Details

Background:	The NF-kappa-B (NFKB) complex of proteins is inhibited by I-kappa-B (IKB) proteins, which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the IKB proteins by IKB kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation and nuclear translocation of the NFKB complex. TKB is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. The protein can form a complex with the IKB protein TANK and TRAF2 and release the NFKB inhibition caused by TANK.
Molecular Weight:	83642
Gene ID:	29110
NCBI Accession:	<a href="#">NP_037386</a>
UniProt:	<a href="#">Q9UHD2</a>
Pathways:	<a href="#">TLR Signaling</a> , <a href="#">Activation of Innate immune Response</a> , <a href="#">Hepatitis C</a> , <a href="#">Toll-Like Receptors Cascades</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	WB: 1:2000. WB: 1:2000. IHC-P: 1:25. IHC-P: 1:25. IHC-P: 1:10~50
Restrictions:	For Research Use only

## Handling

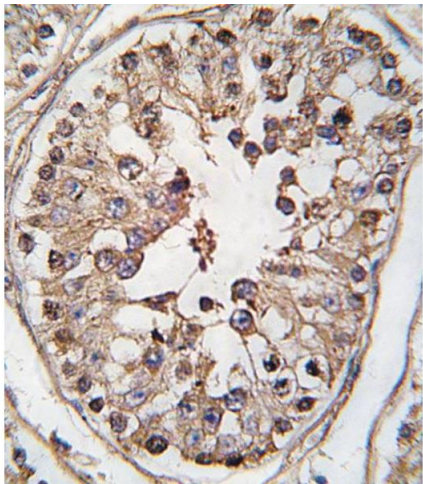
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	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

Publications

Product cited in: Humphrey, Newcomb, Yu, Hao, Yu, Krajewski, Du, Jhala: "Mixed lineage kinase-3 stabilizes and functionally cooperates with TRIBBLES-3 to compromise mitochondrial integrity in cytokine-induced death of pancreatic beta cells." in: **The Journal of biological chemistry**, Vol. 285, Issue 29, pp. 22426-36, (2010) ([PubMed](#)).

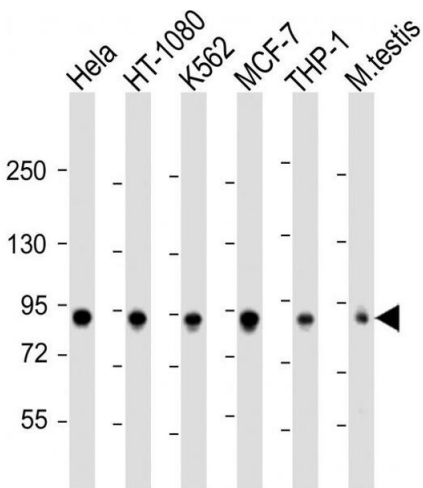
Nagao, Hayashi: "Mixed lineage kinase 2 and hippocalcin are localized in Lewy bodies of Parkinson's disease." in: **Journal of the neurological sciences**, Vol. 281, Issue 1-2, pp. 51-4, (2009) ([PubMed](#)).

Images



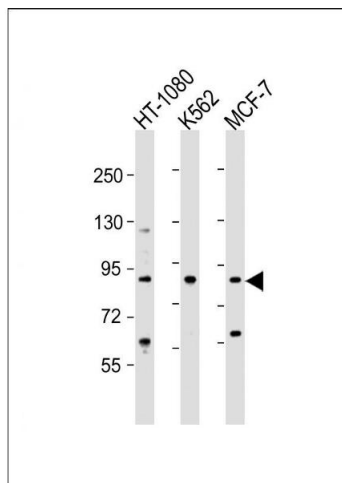
Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human testis tissue reacted with TBK-p, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

**Image 2.** All lanes : Anti-TBK1 Antibody at 1:2000 dilution  
Lane 1: HeLa whole cell lysate Lane 2: HT-1080 whole cell lysate Lane 3: K562 whole cell lysate Lane 4: MCF-7 whole cell lysate Lane 5: THP-1 whole cell lysate Lane 6: mouse testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 84 kDa  
Blocking/Dilution buffer: 5 % NFDm/TBST.



### Western Blotting

**Image 3.** All lanes : Anti-TBK Antibody at 1:2000 dilution  
Lane 1: HT-1080 whole cell lysate Lane 2: K562 whole cell lysate Lane 3: MCF-7 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 84 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN392371.