

Datasheet for ABIN3042649
anti-TBK1 antibody (C-Term)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TBK1
Binding Specificity:	AA 577-590, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase TBK1(TBK1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human NAK(577-590aa YNEEQIHKFDKQKL), identical to the related rat and mouse sequences.
Sequence:	YNEEQIHKFD KQKL
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase TBK1(TBK1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.

Product Details

Gene Name: TANK-binding kinase 1

Protein Name: Serine/threonine-protein kinase TBK1

Purification: Immunogen affinity purified.

Target Details

Target: TBK1

Alternative Name: TBK1 ([TBK1 Products](#))

Background: Serine/threonine-protein kinase TBK1, also called TANK-binding kinase 1 or NF-kappa-B-activating kinase is an enzyme that in humans is encoded by the TBK1 gene. The gene was assigned to human chromosome 12q14.2. Serine/threonine kinase plays an essential role in regulating inflammatory responses to foreign agents. TBK1 and NF-kappa-B signaling are essential in KRAS mutant tumors, and established a general approach for the rational identification of codependent pathways in cancer.

Synonyms: EC 2.7.11.1 antibody|FLJ11330 antibody|NAK antibody|NF kappa B activating kinase antibody|NF kB activating kinase antibody|NF-kappa-B-activating kinase antibody|Serine/threonine protein kinase TBK 1 antibody|Serine/threonine protein kinase TBK1 antibody|Serine/threonine-protein kinase TBK1 antibody|T2K antibody|TANK antibody|TANK binding kinase 1 antibody|TANK-binding kinase 1 antibody|TBK 1 antibody|Tbk1 antibody|TBK1_HUMAN antibody|TRAF 2 antibody|TRAF2 antibody

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, The detection limit for TBK1 is approximately 3 ng/lane under reducing conditions.
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

Application Details

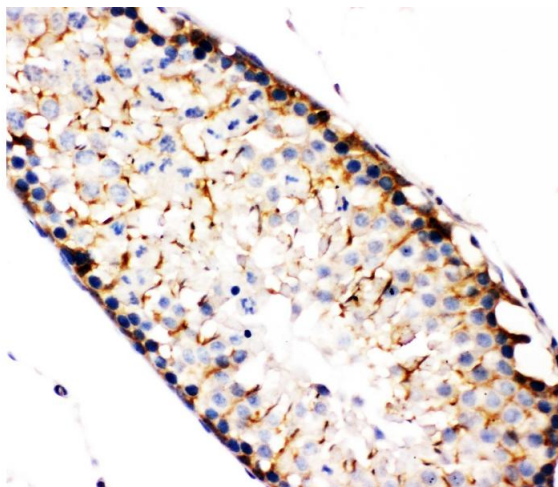
ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

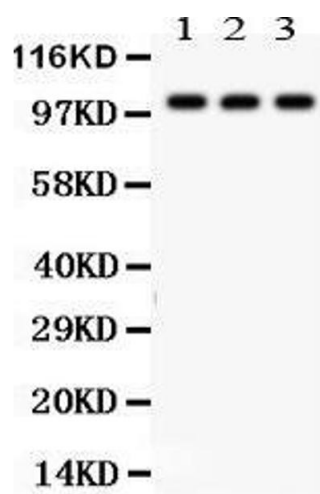
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



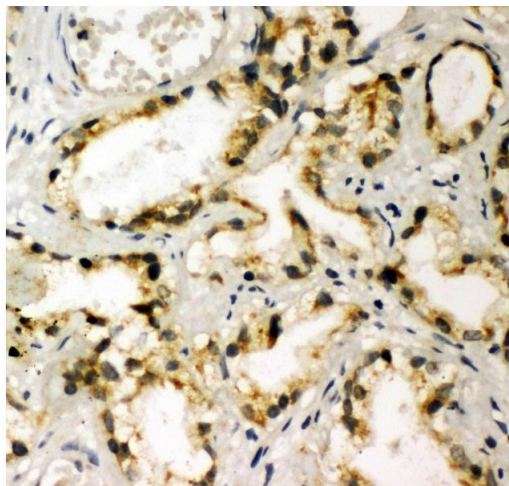
Immunohistochemistry

Image 1. Anti-NAK antibody, IHC(P) IHC(P): Rat Testis Tissue



Western Blotting

Image 2. Anti-NAK antibody, Western blotting All lanes: Anti TBK1 at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: Rat Testis Tissue Lysate at 50ug Lane 3: Rat Liver Tissue Lysate at 50ug Predicted bind size: 84KD Observed bind size: 100KD



Immunohistochemistry

Image 3. Anti-NAK antibody, IHC(P) IHC(P): Human Prostatic Cancer Tissue