Product datasheet

Anti-TBK1 Antibody

Catalog Number: *A00261-1*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-TBK1 Antibody
Gene Name	TBK1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human NAK/TBK1 recombinant protein (Position: M1-L729).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	84 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 ELISA: 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

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.

Reference

Anti-TBK1 Antibody被引用在7文献中。

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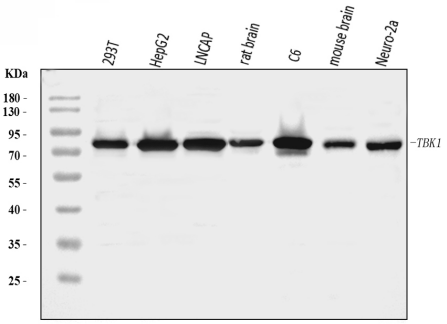
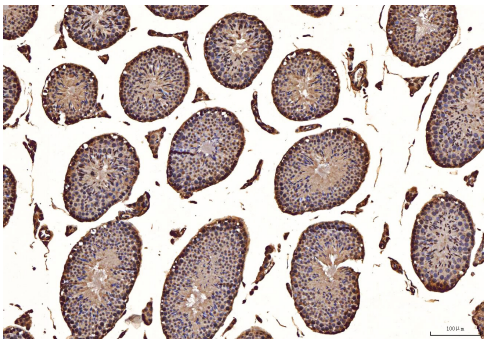
Selected Validation Data



Western blot analysis of TBK1 using anti-TBK1 antibody (A00261-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: 293T whole cell lysates,
Lane 2: HEPG2 whole cell lysates,
Lane 3: LNCAP whole cell lysates,
Lane 4: rat brain tissue lysates,
Lane 5: C6 whole cell lysates,
Lane 6: mouse brain tissue lysates,
Lane 7: NEURO-2A whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TBK1 antigen affinity purified polyclonal antibody (A00261-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for TBK1 at approximately 84 kDa. The expected band size for TBK1 is at 84 kDa.



IHC analysis of TBK1 using anti-TBK1 antibody (A00261-1).
TBK1 was detected in a paraffin-embedded section of mouse testis tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-TBK1 Antibody (A00261-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.