

## Basic Information

Product Name	Anti-TBK1 Antibody (Clone#AHE-20)	
Gene Name	TBK1	
Source	Rabbit	
Clonality	Monoclonal	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.	
Immunogen	A synthesized peptide derived from human NAK/TBK1 (N-term)	
Concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	84 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-200	

## Storage

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

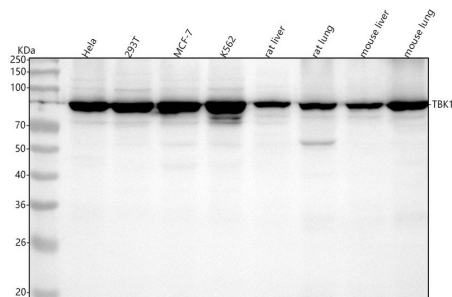
## Background Information

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 (Clone#AHE-20)被引用在6文献中。

## Selected Validation Data



Western blot analysis of anti-TBK1 antibody (BM4038). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

Lane 2: human 293T whole cell lysates,

Lane 3: human MCF-7 whole cell lysates,

Lane 4: human K562 whole cell lysates,

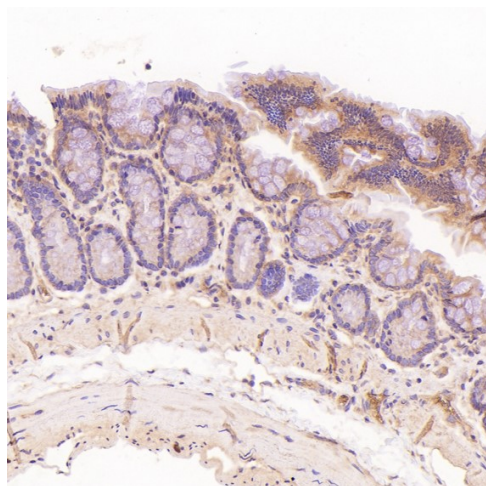
Lane 5: rat liver tissue lysates,

Lane 6: rat lung tissue lysates,

Lane 7: mouse liver tissue lysates,

Lane 8: mouse lung tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-TBK1 antigen affinity purified monoclonal antibody (BM4038) 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.



Immunohistochemical analysis of paraffin-embedded Rat stomach, using the Antibody.

Product datasheet

**Anti-TBK1 Antibody (Clone#AHE-20)**

**Catalog Number: BM4038**



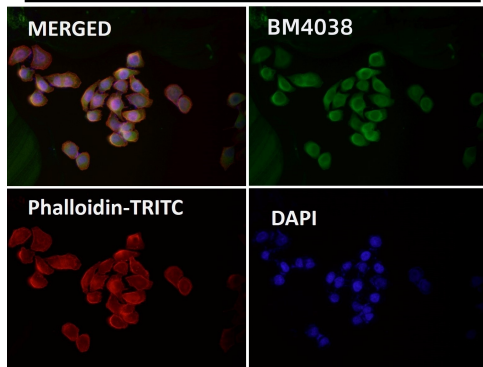
antibody and ELISA experts

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Immunofluorescent analysis using the Antibody.