



## Rabbit Anti-Phospho-TBK1 (Ser172) antibody

SL3440R

<b>Product Name:</b>	Phospho-TBK1 (Ser172)
<b>Chinese Name:</b>	磷酸化NF-κB活化激酶抗体
<b>Alias:</b>	NAK (phospho S172); Phospho-TBK1/NAK (Ser172); P-TBK1(Ser172); p-NAK(Ser172); TRAF-associated NF-κB kinase; TANK protein; TANK-binding kinase 1; T2K; NF-kappa-B-activating kinase; Serine/threonine-protein kinase TBK1; I TRAF; ITRAF; TRAF family member associated NF KAPPA B activator; TRAF family member associated NFKB activator; TRAF interacting protein; TRAF interacting protein TANK isoform a; TRAF interacting protein TANK isoform b; TRAF2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	84kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated Synthesised phosphopeptide derived from human TBK1 around the phosphorylation site of Ser172:FV(p-S)LY
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>

Serine/threonine protein involved in the signaling cascade converging to the activation of the transcription factor NF-kappa-B. May function as an IKK kinase, playing an essential role in the transcription of a subset of TNF-alpha-induced genes. Also mediates production of RANTES/CCL5 and interferon-beta/IFNB1. Has a pivotal role in the innate immune response. Phosphorylates Borna disease virus (BDV) P protein. Phosphorylates and activates IRF3 and IRF7 and allows their nuclear localization. This leads to production of alpha/beta interferons and the development of a cellular antiviral state. It also seems to be a central factor in the induction of the antiviral interferon response. Inhibition of its interaction with IRF3, due to HCV NS3 binding or BDV P protein seems to be one mechanism of inhibition of the innate immune responses of hepatitis C virus (HCV) infection or Borna disease virus infection respectively. Ubiquitous with higher expression in testis. Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. I-kappa-B kinase subfamily.

**Subunit:**

Self-associates. Interacts with TIRAP, TANK and TRAF2. Part of a ternary complex consisting of TANK, TRAF2 and TBK1.

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

Ubiquitous with higher expression in testis.

**Similarity:**

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. I-kappa-B kinase subfamily.

Contains 1 protein kinase domain.

Contains 1 ubiquitin-like domain.

**SWISS:**

Q9UHD2

**Gene ID:**

29110

**Database links:**

[Entrez Gene: 29110](#) Human

[Entrez Gene: 56480](#) Mouse

[Entrez Gene: 299827](#) Rat

[Omim: 604834](#) Human

**Product Detail:**

[SwissProt: Q9UHD2](#) Human

[SwissProt: Q9WUN2](#) Mouse

[Unigene: 505874](#) Human

[Unigene: 34580](#) Mouse

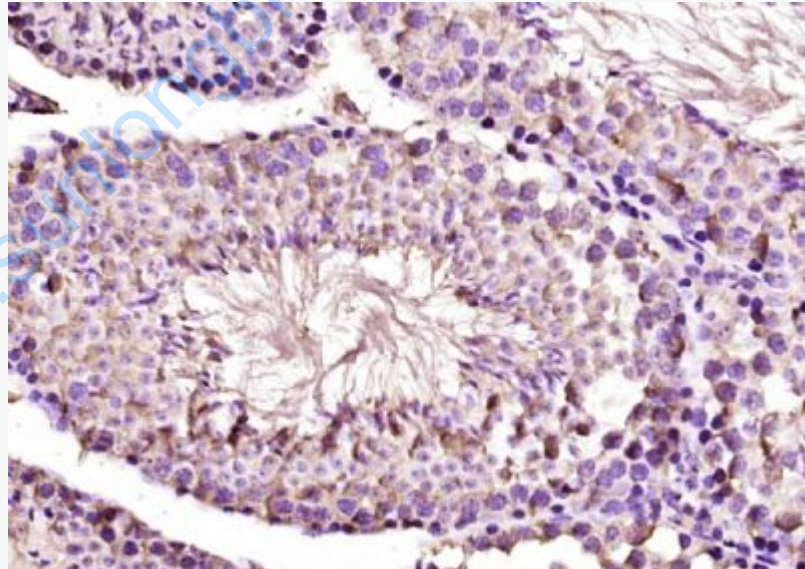
[Unigene: 30683](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

TBK1是NF- $\kappa$ B信号通道中的一种激酶, 它被KRAS-改变的细胞存活所必不可少的。TBK1诱导反凋亡信号, TBK1与NF- $\kappa$ B共同作用于KRAS介导的癌变过程中,可能是一个癌症治疗目标。

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (mouse testis tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-TBK1 (Ser172)) Polyclonal

	Antibody, Unconjugated (SL3440R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.
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