

Product datasheet for **TA334468**

TBK1 Rabbit Polyclonal Antibody

Product data:

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|-------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | WB |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | The immunogen for anti-TBK1 antibody: synthetic peptide directed towards the N terminal of human TBK1. Synthetic peptide located within the following region: EEETTRHKVLIMEFCPCGSLYTVLEEPSNAYGLPESEFLIVLRDVVGGM |
| Formulation: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i> |
| Purification: | Affinity Purified |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 84 kDa |
| Gene Name: | TANK binding kinase 1 |
| Database Link: | NP_037386 Entrez Gene 29110 Human Q9UHD2 |



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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. TBK1 is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. For example, the protein can form a complex with the IKB protein TANK and TRAF2 and release the NFKB inhibition caused by TANK. 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. The protein encoded by this gene is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. For example, the protein can form a complex with the IKB protein TANK and TRAF2 and release the NFKB inhibition caused by TANK. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

Synonyms:

NAK; T2K

Note:

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Zebrafish: 86%

Protein Families:

Druggable Genome, Protein Kinase

Protein Pathways:

Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway

Product images:

WB Suggested Anti-TBK1 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: Hela cell lysate