

## TBK1 Antibody (F50864)

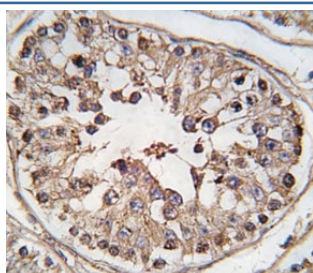
| Catalog No.   | Formulation                                | Size    |
|---------------|--------------------------------------------|---------|
| F50864-0.4ML  | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.4 ml  |
| F50864-0.08ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.08 ml |

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|                             |                                                        |
|-----------------------------|--------------------------------------------------------|
| <b>Availability</b>         | 1-3 business days                                      |
| <b>Species Reactivity</b>   | Human                                                  |
| <b>Predicted Reactivity</b> | Mouse, Xenopus                                         |
| <b>Format</b>               | Antigen affinity purified                              |
| <b>Clonality</b>            | Polyclonal (rabbit origin)                             |
| <b>Isotype</b>              | Rabbit Ig                                              |
| <b>Purity</b>               | Antigen affinity                                       |
| <b>UniProt</b>              | Q9UHD2                                                 |
| <b>Applications</b>         | Western Blot : 1:1000<br>IHC (Paraffin) : 1:10-1:50    |
| <b>Limitations</b>          | This TBK1 antibody is available for research use only. |



Western blot analysis of TBK1 antibody and K562 lysate. Predicted molecular weight: ~84 kDa.



IHC analysis of FFPE human testis tissue stained with TBK antibody

## Description

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. TKB is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. The protein can form a complex with the IKB protein TANK and TRAF2 and release the NFKB inhibition caused by TANK.

## Application Notes

Titration of the TBK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 150-181 from the human protein was used as the immunogen for this TBK1 antibody.

## Storage

Aliquot the TBK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.