

# Product Datasheet

## TBK1 Antibody (108A429) - Azide and BSA Free NBP2-33243

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-33243**

TBK1 Antibody (108A429) - Azide and BSA Free

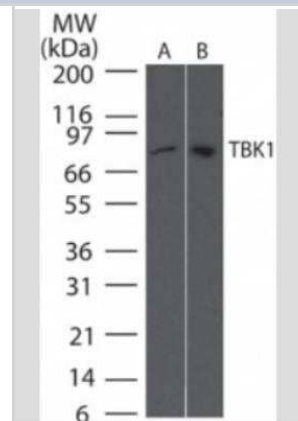
| Product Information     |  |
|-------------------------|--|
| Unit Size               | 0.1 mg   |
| Concentration           | 1.0 mg/ml  |
| Storage                 | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality               | Monoclonal   |
| Clone                   | 108A429  |
| Preservative            | No Preservative  |
| Isotype                 | IgG1 Kappa   |
| Purity                  | Protein G purified   |
| Buffer                  | PBS - BSA free   |
| Target Molecular Weight | 84 kDa   |

| Product Description |  |
|---------------------|--|
| Host                | Mouse  |
| Gene ID             | 29110  |
| Gene Symbol         | TBK1   |
| Species             | Human, Mouse, Rat, Bovine, Canine  |
| Immunogen           | A synthetic peptide corresponding to amino acids 563-577 (YYQFKKDKAERRLAYC) of human TBK1 was used as immunogen for this antibody (NP_037386). |

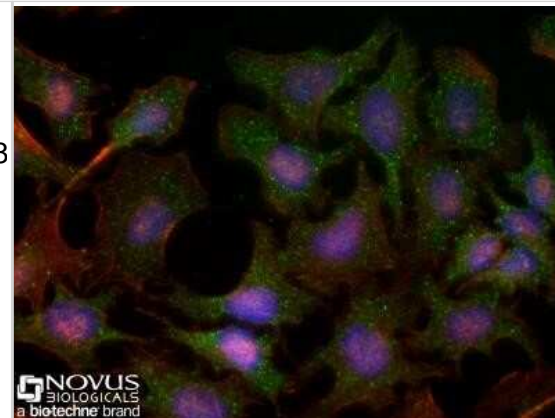
| Product Application Details |   |
|-----------------------------|---|
| Applications                | Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated  |
| Recommended Dilutions       | Western Blot 1-2 ug/ml, Simple Western, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10-1:500, Knockout Validated |
| Application Notes           | In Western Blot this antibody detects a band at 80 kDa. In Simple Western only 10-15 uL of the recommended dilution is used per data point.   |

**Images**

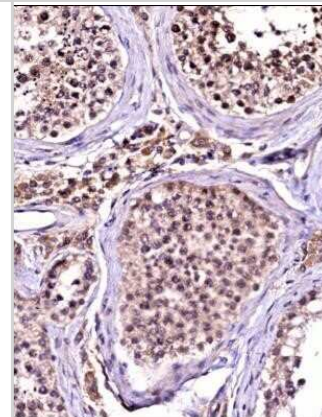
Western Blot: TBK1 Antibody (108A429) - Azide and BSA Free [NBP2-33243] - Human Daudi (A) and mouse RAW (B) cell lysate probed with TBK1 antibody at 2 ug/ml.



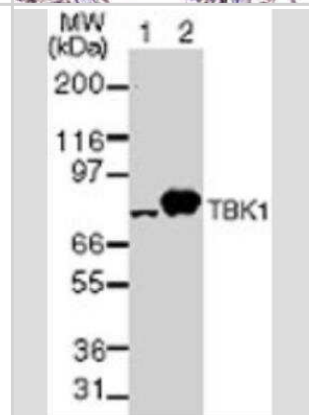
Immunocytochemistry/Immunofluorescence: TBK1 Antibody (108A429) - Azide and BSA Free [NBP2-33243] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton X-100. The cells were incubated with anti-TBK1 at 20 ug/ml overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image using the standard format of this product.



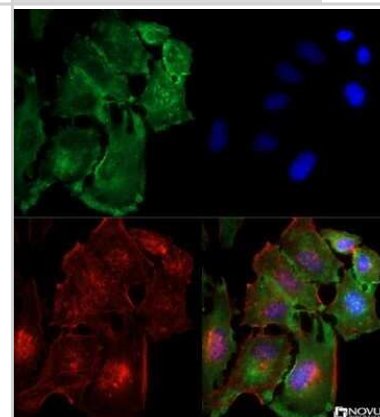
Immunohistochemistry-Paraffin: TBK1 Antibody (108A429) - Azide and BSA Free [NBP2-33243] - Analysis of FFPE human testis tissue section using Peripheral Node Addressin antibody (clone MECA-79R) at 1:200. The staining was developed with HRP-DAB detection method and the counterstaining was performed using hematoxylin. Image using the standard format of this product.



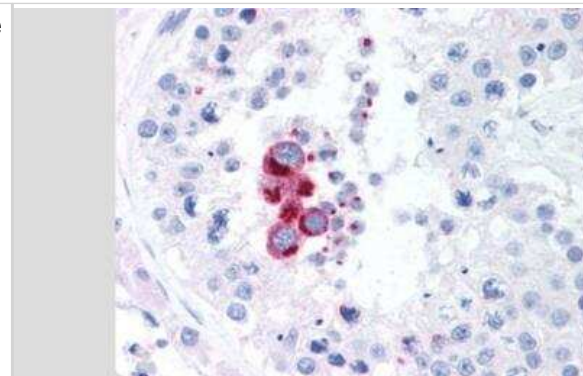
Western Blot: TBK1 Antibody (108A429) - Azide and BSA Free [NBP2-33243] - Lysate from 293 cells untransfected (lane 1) and transfected with human TBK1 cDNA (lane 2) probed with TBK1 antibody at 2 ug/ml.



Immunocytochemistry/Immunofluorescence: TBK1 Antibody (108A429) - Azide and BSA Free [NBP2-33243] - Antibody was tested in HeLa cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red). A dilution of 1:10 was used. Image objective 40x. Image using the standard format of this product.



Immunohistochemistry: TBK1 Antibody (108A429) - Azide and BSA Free [NBP2-33243] - Staining on human testis (Formalin-Fixed Paraffin-Embedded (FFPE))



Simple Western: TBK1 Antibody (108A429) - Azide and BSA Free [NBP2-33243] - Western Blot: NAK Antibody (108A429) [NB100-56705] - Simple Western lane view shows a specific band for NAK/TBK1 in 0.5 mg/ml of Daudi (left) and Raw 264.7 (right) lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. \* Non-specific interaction with the 230 kDa Simple Western standard may be seen with this antibody





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### **Products Related to NBP2-33243**

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|                  |   |
|------------------|---|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]            |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)           |
| NBP2-55777PEP    | TBK1 Recombinant Protein Antigen                        |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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