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Datasheet for ABIN6242564 anti-TNIK antibody (Ser764)

3 Images



### Overview

| Quantity:            | 200 µL   |
|----------------------|--|
| Target:              | ΤΝΙΚ   |
| Binding Specificity: | Ser764   |
| Reactivity:          | Human, Mouse   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

# Product Details

| Immunogen:    | This TNIK(S764) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from the human region of human TNIK(S764). |
|---------------|--|
| Clone:        | RB59089  |
| lsotype:      | lgG  |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification.   |

## Target Details

| Target:           | ΤΝΙΚ   |
|-------------------|--|
| Alternative Name: | TNIK (TNIK Products)   |
| Background:       | Serine/threonine kinase that acts as an essential activator of the Wnt signaling pathway.<br>Recruited to promoters of Wnt target genes and required to activate their expression. May act |
|                   | by phosphorylating TCF4/TCF7L2. Appears to act upstream of the JUN N-terminal pathway.   |

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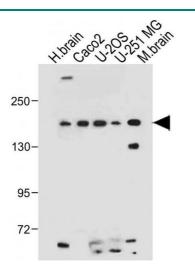
|                     | May play a role in the response to environmental stress. Part of a signaling complex composed<br>of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization<br>during development. More generally, it may play a role in cytoskeletal rearrangements and<br>regulate cell spreading. Phosphorylates SMAD1 on Thr-322. |
|---------------------|--|
| Molecular Weight:   | 154943   |
| UniProt:            | Q9UKE5   |
| Application Details |  |
| Application Notes:  | WB: 1:500. WB: 1:500. IHC-P-Leica: 1:500   |
| Restrictions:       | For Research Use only  |
| Handling            |  |
| Format:             | Liquid   |
| Buffer:             | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.   |
| Preservative:       | Sodium azide   |
| Precaution of Use:  | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.   |
| Storage:            | 4 °C,-20 °C  |
| Expiry Date:        | 6 months   |

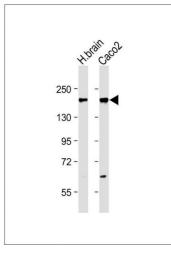
#### Images



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemical analysis of paraffinembedded human brain tissue using (ABIN6242564 and ABIN6578912) performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH 9. 0). Samples were incubated with primary Antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.





#### **Western Blotting**

**Image 2.** All lanes : Anti-TNIK Antibody at 1:500 dilution Lane 1: Human brain tissue lysate Lane 2: Caco2 whole cell lysate Lane 3: U-2 OS whole cell lysate Lane 4: U-251 MG whole cell lysate Lane 5: Mouse brain tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 155 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

#### Western Blotting

**Image 3.** All lanes : Anti-TNIK Antibody at 1:500 dilution Lane 1: Human brain lysate Lane 2: Caco2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 155 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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