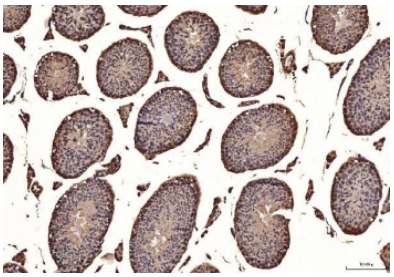
# TANK-binding kinase 1 Antibody / TBK1 / NAK (RQ7042)

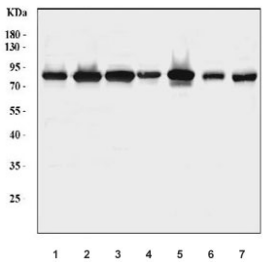
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ7042 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q9UHD2 |
| **Applications** | Western Blot : 0.5-1 ug/ml<br>Immunohistochemistry (FFPE) : 2-5ug/ml<br>Direct ELISA : 0.1-0.5ug/ml |
| **Limitations** | This TANK-binding kinase 1 antibody is available for research use only. |



IHC staining of FFPE mouse testis tissue with TANK-binding kinase 1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.




Western blot testing of 1) human 293T, 2) human HepG2, 3) human LNCaP, 4) rat brain, 5) rat C6, 6) mouse brain and 7) mouse Neuro-2a cell lysate with TANK-binding kinase 1 antibody. Predicted molecular weight: ~84 kDa.

## Description

Serine/threonine-protein kinase TBK1, also called TANK-binding kinase 1 or NF-kappa-B-activating kinase is an enzyme that in humans is encoded by the TBK1 gene. The gene was assigned to human chromosome 12q14.2. Serine/threonine kinase plays an essential role in regulating inflammatory responses to foreign agents. TBK1 and NF-kappa-B signaling are essential in KRAS mutant tumors, and established a general approach for the rational identification of codependent pathways in cancer.

## Application Notes

Optimal dilution of the TANK-binding kinase 1 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids M1-L729) was used as the immunogen for the TANK-binding kinase 1 antibody.

## Storage

After reconstitution, the TANK-binding kinase 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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