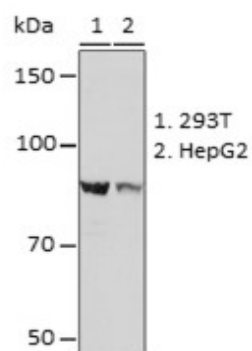
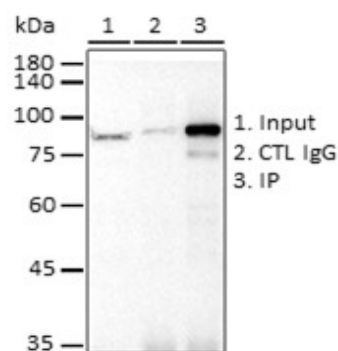


Product Name: TBK1 Rabbit mAb
Catalog #: Z5050-20; Z5050-100
Also Known As: FTDALS4; NAK; T2K
Quantity: 20 µl for Z5050-20; 100 µl for Z5050-100
Concentration: See labels on tube
Host Species: Rabbit
Isotype: IgG
Reactivity: Human, Mouse, Rat
Immunogen: A synthesized peptide derived from human TBK1.
Swiss Prot. #: Q9UHD2
Calculated MW: 84kDa
Detected MW: 84kDa
Applications: WB (1:500 - 1:2,000)
 IP (1:50 - 1:200)
 IF (1:50 - 1:200)
 IHC (not tested)
 Note: Antibody dilution should be optimized by users.

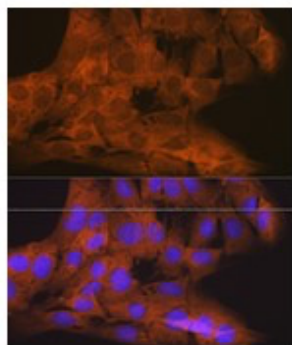
Images:



Immunoblotting 25 µg whole cell extracts of various cell lines using TBK1 antibody (Z5050) at 1:1,000 dilution.



Immunoprecipitation of 200 µg 293T cell extracts using 3 µg TBK1 antibody (Z5050). Immunoblotting: same antibody at 1:1,000 dilution.



Immunofluorescence of C6 cells using TBK1 antibody (Z5050) at 1:100 dilution. Blue: DAPI nuclear staining.

Purification: Protein A or G affinity purification

- Buffer:** PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3
- Storage:** Store at -20°C. Centrifuge to maximize product recovery.
- Background:** TBK1 (TANK-binding kinase 1)/NAK (NF- κ B activating kinase) is an I κ B kinase (IKK)-activating kinase and can activate IKK through direct phosphorylation. TBK1 was identified through association with the TRAF binding protein, TANK, and found to function upstream of NIK and IKK in the activation of NF- κ B. TBK1 induces I κ B degradation and NF- κ B activity through IKK β . TBK1 may mediate IKK and NF- κ B activation in response to growth factors that stimulate PKC ϵ activity. TBK1 plays a pivotal role in the activation of IRF3 in the innate immune response upon STING activation.
- Reference:**
1. Tojima Y, et al. (2000) Nature 404, 778-782.
 2. Pomerantz JL and Baltimore D. (1999) EMBO J 18, 6694-6704.
 3. Fitzgerald KA, et al. (2003) Nat Immunol 4, 491-496.