Anti-NAK / TBK1 Antibody [2G1]

RT1413



Product Type:	Mouse monoclonal IgG1, primary antibodies				
Species reactivity:	Human, Mouse, Rat				
Applications:	WB, IP				
Molecular Wt:	80 kDa				
Clone number:	2G1				
Description:	The transcription factor NF κ B is retained in the cytoplasm in an inactive form by the inhibitory protein I κ B. Activation of NF κ B requires that I κ B be phosphorylated on specific serine residues, which results in targeted degradation of I κ B. I κ B kinase α (IKK α), previously designated CHUK, interacts with I κ B- α and specifically phosphorylates I κ B- α on the sites that trigger its degradation, Serines 32 and 36. The functional IKK complex contains three subunits, IKK α , IKK β and IKK γ (also designated NEMO), and each appear to make essential contributions to I κ B phosphorylation. TANK binding kinase (TBK1), also designated T2K, is a novel IKK-related kinase that has been identified in murine and human tissues. TBK1 was shown to complex with TRAF2 and TANK in the NF κ B activation pathway. TBK1 shares homology with IKK α and IKK β in the amino-terminal half, which includes the kinase domain.				
lmmunogen:	Synthetic peptide within Human TBK1 aa 563-577.				
Positive control:	RAW264.7, MCF7, KNRK.				
Subcellular location:	Cytoplasm.				
Database links:	SwissProt: Q9UHD2 Human				
Recommended Dilutions: WB IP	1:100-1:1,000 1-2 µg per 100-500 µg of total protein(1 ml of cell lysate)				
Storage Buffer:	1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.				
Storage Instruction:	Store at +4 ℃				
Purity:	Protein A affinity purified.				

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Technical:0086-571-89986345

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

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Images

82 K –	A	B	с	< TBK1
51 K -				

Fig1: Western blot analysis of TBK1 expression in RAW264.7 (A), MCF7 (B) and KNRK (C) whole cell lysates.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

- 1. Chen, H., et al. 2011. Activation of STAT6 by STING is critical for antiviral innate immunity. Cell 147: 436-446.
- 2. Neerincx, A., et al. 2010. A role for the human NLR family member NLRC5 in antiviral responses. J. Biol. Chem. 285: 26223-26232.

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Orders:0086-571-88062880

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Celt=Immunofluorescence (Celt) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation