

TBK1 (Phospho-S172) polyclonal antibody

Catalog: BS64560

Host: Rabbit

Reactivity: Human,Mouse,Rat

BackGround:

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.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 100 kDa

Swiss-Prot:

Q9UHD2

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500~1:1000

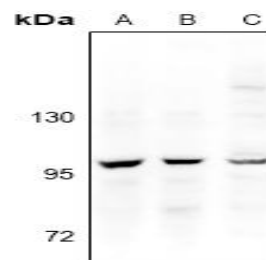
Storage&Stability:

Store at 4 $^{\circ}$ C short term. Aliquot and store at -20 $^{\circ}$ C long term. Avoid freeze-thaw cycles.

Specificity:

TBK1 (Phospho-S172) polyclonal antibody detects endogenous levels of TBK1 protein only when phosphorylated at Ser172.

DATA:



Western blot (WB) analysis of TBK1 (Phospho-S172) polyclonal antibody at 1:500 dilution

LaneA:The Testis tissue lysate of Mouse

LaneB:The Testis tissue lysate of Rat

LaneC:U-87MG whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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