



BioBharati LifeScience Pvt. Ltd.

Developing Best Products for Quality Research of National Significance

EN-35, First Floor, Salt Lake, Sector-V, Kolkata, INDIA, PIN: 700091

Registered Office: 79, Purbachal Kalitala Road, Kolkata, INDIA, PIN: 700078

E-mail: biobharati@gmail.com, Web: www.biobharati.com

Product Name

Cat. No.

Pack Size

Anti-NEMO / IKK γ Antibody

BB-AB0035

80 μ l (80 μ g)

Product type: Primary Antibody

Clonality: Polyclonal

Source: Rabbit

Immunogen: Recombinant N-terminal fragment of IKK γ protein (21 KDa) (residues 40-210) expressed in *E. coli*.

Description: The cytosolic NF κ B/Rel transcription factors are in inactive state, complexed with the inhibitory I κ B proteins. Phosphorylation-induced, proteasome-mediated degradation of I κ B triggers their activation. The key regulatory step in this pathway involves activation of I κ B kinase (IKK) complex, whose catalysis is generally carried out by three tightly associated IKK subunits. IKK γ and IKK β serve as the catalytic subunits of the kinase. IKK γ serves as the regulatory subunit. Phosphorylation of serines 177 and 181 in the activation loop of IKK β (176 and 180 in IKK α) causes conformational changes resulting in activation of IKK. Anti- IKK γ antibody can be used for IKK2/ β kinase assay from immunoprecipitated (IP) cell extracts. This antibody is produced in rabbit by repeated injections of Immunogen.

Purification: Purified against IKK γ protein (residues 40-210) affinity chromatography.

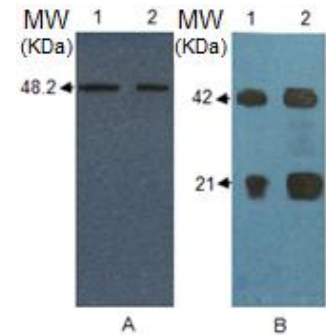
Specificity: This antibody detects IKK γ protein (~48.2 KDa) in eukaryotic cell extracts and recombinant proteins expressed in prokaryotic cells.

Recommended Dilutions:

Western Blotting	1:2,000
ELISA	1:1,000
IP	1:100

Storage buffer: Tris Buffer pH 7.4, containing 50% Glycerol without azide.

Storage instructions: Store at -20°C (Recommended).



(A) *Western blot analysis of mammalian cell extracts, HeLa (lane 1) and Hek (lane 2) using Anti- IKK γ polyclonal antibody. Band at 48.2 KDa is for full length IKK γ /NEMO protein.

(B) *Western blot analysis of His-tag IKK γ pure protein, 21 KDa (lane 1) and bacterial cell extract (lane 2) expressing it, using anti- IKK γ polyclonal antibody. Band at 42 KDa is dimeric form 21 KDa protein.

*N. B. (Membrane blocking): One hr at RT in 5% (w/v) non-fat milk; (Primary Ab): Overnight at 4°C in 1% non-fat milk; (Secondary Ab): One hr at RT in 1% non-fat milk. All incubations and washings are in 1X TBS, 0.1% Tween-20.

Exp. Date: 18 months upon receiving at proper storage condition as mentioned in datasheet.