IKKγ (Phospho-S31) polyclonal antibody

Catalog: AP0266 Host: Rabbit Reactivity: Human

BackGround:

Activation of NFkB requires that IkB be phosphorylated on specific serine residues, which results in targeted degradation of IkB. IkB kinase α (IKKα), previously designated CHUK, interacts with IkB-α and specifically phosphorylates I˚Bα on Serine 32 and 36, the sites that trigger its degradation. IKKα appears to be critical for NFkB activation in response to proinflammatory cytokines. Phosphorylation of IkB by IKKα is stimulated by the NFkB inducing kinase (NIK), which itself is a central regulator for NFkB activation in response to TNF and IL-1. The functional IKK complex contains three subunits, IKKα, IKKβ and IKKγ (also designated NEMO), and each appear to make essential contributions to IkB phosphorylation.

Product:

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

Molecular Weight:

~ 54 kDa

Swiss-Prot:

Q9Y6K9

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: 1:1000~1:2000

IHC: 1:50~1:200

IF: 1:50~1:200

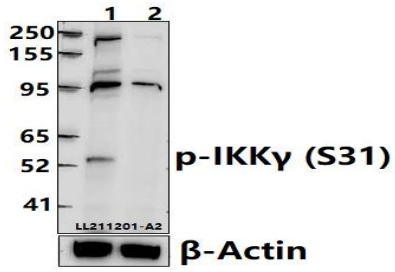
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

IKKγ (Phospho-S31) polyclonal antibody detects endogenous levels of IKKγ protein only when phosphorylated at Ser31.

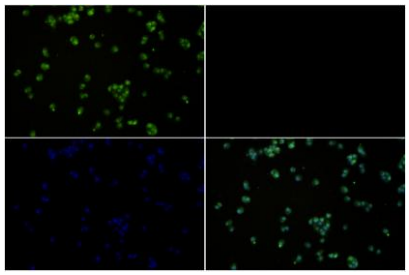
DATA:



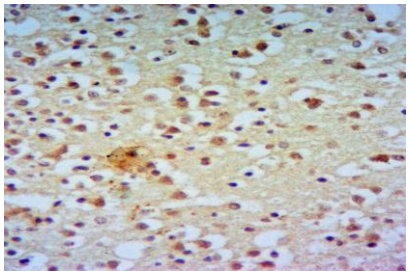
Western blot (WB) analysis of IKKγ (Phospho-S31) polyclonal antibody at 1:2000 dilution

Lane1:HeLa whole cell lysate(40ug)

Lane2:Hela treated with λ-phosphatase whole cell lysate(40ug)



Immunofluorescence analysis of Hela cells using IKKγ (Phospho-S31) antibody at dilution of 1:50.



Immunohistochemistry of paraffin-embedded Human Brain using IKKγ (Phospho-S31)antibody at dilution of 1:50.

Note:

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

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151