

IKK γ (A314) polyclonal antibody

Catalog: BS2383

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

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 Serine 32 and 36, the sites that trigger its degradation. IKK α appears to be critical for NF κ B activation in response to proinflammatory cytokines. Phosphorylation of I κ B by IKK α is stimulated by the NF κ B inducing kinase (NIK), which itself is a central regulator for NF κ B activation in response to TNF and IL-1. 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.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 48 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: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

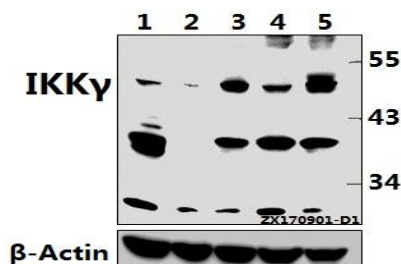
Storage&Stability:

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

Specificity:

IKK γ (A314) polyclonal antibody detects endogenous levels of IKK γ protein.

DATA:



Western blot (WB) analysis of IKK γ (A314) pAb at 1:500 dilution

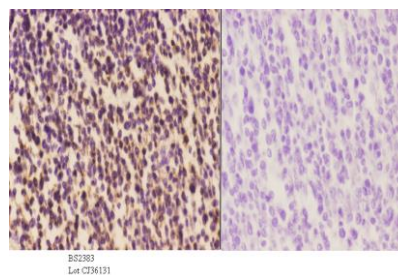
Lane1:C6 whole cell lysate(40ug)

Lane2:3T3-L1 whole cell lysate(40ug)

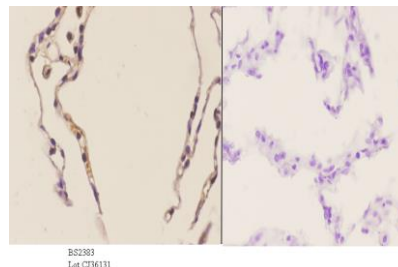
Lane3:A549 whole cell lysate(40ug)

Lane4:HepG2 whole cell lysate(40ug)

Lane5:MCF-7 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of IKK γ (A314) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Immunohistochemistry (IHC) analyzes of IKK γ (A314) pAb in paraffin-embedded human lung carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead

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PRODUCT DATA SHEET

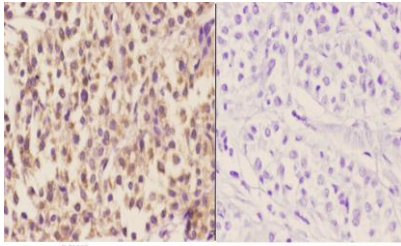
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of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

followed by avidin-peroxidase.

Note:

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



Immunohistochemistry (IHC) analyzes of IKK γ (A314) pAb in paraffin-embedded human liver carcinoma tissue at 1:50, showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin

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