

IKK β (phospho-Y188) polyclonal antibody

Catalog: BS4101

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 Serines 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:

~ 86 kDa

Swiss-Prot:

O14920

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

Storage&Stability:

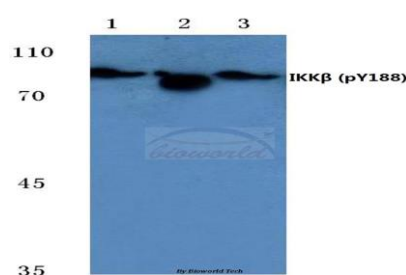
Store at 4 $^{\circ}$ C short term. Aliquot and store at -20 $^{\circ}$ C long

term. Avoid freeze-thaw cycles.

Specificity:

p-IKK β (Y188) polyclonal antibody detects endogenous levels of IKK β protein only when phosphorylated at Tyr188.

DATA:

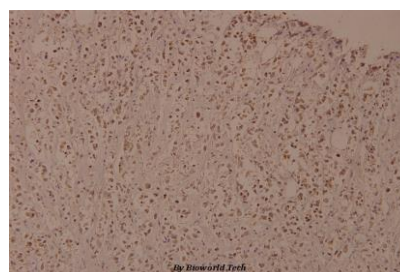


Western blot (WB) analysis of p-IKK β (Y188) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with LPS

Lane2:Raw264.7 cell lysate treated with LPS

Lane3:PC12 cell lysate treated with LPS



Immunohistochemistry (IHC) analyzes of p-IKK β (Y188) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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

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