

IKK α / β (phospho-S176/177) polyclonal antibody

Catalog: BS4236

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

The NF- κ B/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory I κ B proteins. Most agents that activate NF- κ B do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of I κ B. The key regulatory step in this pathway involves activation of a high molecular weight I κ B kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits. IKK α and IKK β serve as the catalytic subunits of the kinase and IKK γ serves as the regulatory subunit. Activation of IKK depends upon phosphorylation at Ser177 and Ser181 in the activation loop of IKK β (Ser176 and Ser180 in IKK α), which causes conformational changes, resulting in kinase activation.

Product:

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

Molecular Weight:

~ 85 kDa

Swiss-Prot:

O15111/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

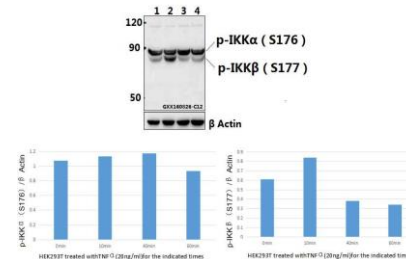
Storage&Stability:

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

Specificity:

p-IKK α / β (S176/177) polyclonal antibody detects endogenous levels of IKK α / β protein only when phosphorylated at Ser176/177.

DATA:



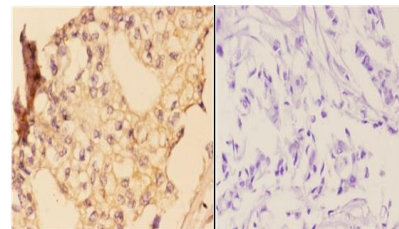
Western blot (WB) analysis of IKK α / β (phospho-S176/177) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:HEK293T treated with TNF α (20ng/ml)for 10 minutes whole cell lysate

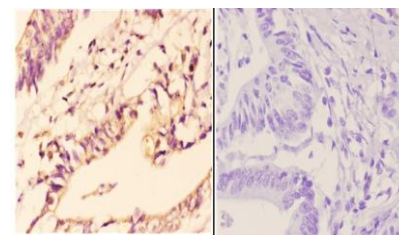
Lane3:HEK293T treated with TNF α (20ng/ml)for 40 minutes whole cell lysate

Lane4:HEK293T treated with TNF α (20ng/ml)for 1 hour whole cell lysate



BS4236
Lot AA54132

Immunohistochemistry (IHC) analyzes of p-IKK α / β (S176/177) pAb in paraffin-embedded human breast carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



BS4236
Lot AA54132

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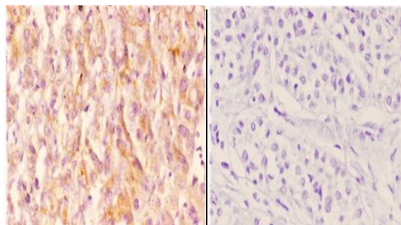
Fax: 0086-025-68035151



PRODUCT DATA SHEET

Bioworld Technology, Inc.

Immunohistochemistry (IHC) analyzes of p-IKK α / β (S176/177) pAb in paraffin-embedded human colon carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



BS4236
Lot AAS4132

Immunohistochemistry (IHC) analyzes of p-IKK α / β (S176/177) pAb in paraffin-embedded human liver carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit

IgG-biotin followed by avidin-peroxidase.

Note:

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

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