

ASK1 (phospho-S83) polyclonal antibody

Catalog: BS4013

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Mitogen-activated protein (MAP) kinase cascades are activated by various extracellular stimuli including growth factors. The MEK kinases (also called MAP kinase kinases) phosphorylate and activate the MAP kinases, including ERK, JNK and p38. The MEK kinases characterized to date include Raf-1, Raf-B, MOS, MEK kinase-1, MEK kinase-2, MEK kinase-3, MEK kinase-4 and ASK 1 (also designated MEK kinase-5). MEK kinase-1 has been shown to phosphorylate MEK-1 via a Raf-independent pathway. Evidence suggests that MEK-3 is preferentially activated by MEK kinase-3 and that MEK-4 is activated by both MEK kinase-2 and MEK kinase-3. MEK kinase-4 has been shown to specifically activate the JNK pathway. ASK1 activates both MEK-4 and MEK-3/MEK-6 pathways.

Product:

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

Molecular Weight:

~ 155 kDa

Swiss-Prot:

Q99683

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

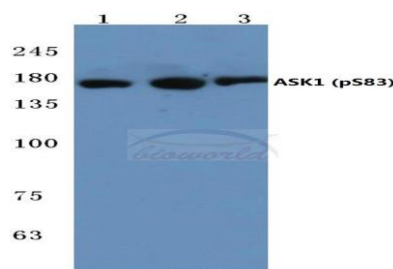
Storage&Stability:

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

Specificity:

p-ASK1 (S83) polyclonal antibody detects endogenous levels of ASK1 protein only when phosphorylated at Ser83.

DATA:

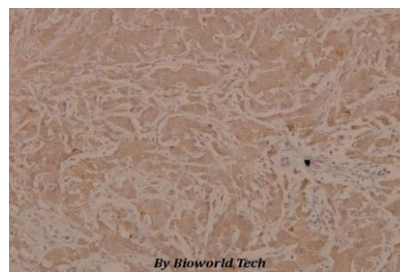


Western blot (WB) analysis of p-ASK1 (S83) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with TNFa

Lane2:PC12 cell lysate treated with TNFa

Lane3:sp2/0 cell lysate treated with TNFa



Immunohistochemistry (IHC) analyzes of p-ASK1 (S83) 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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