

p38 (phospho-Y182) polyclonal antibody

Catalog: BS4766

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

MAP (mitogen-activated protein) kinases play a significant role in many biological processes, including cell adhesion and spreading, cell differentiation and apoptosis. p38 α , p38 β and p38 γ , also known as MAPK14, MAPK11 and MAPK12, respectively, each contain one protein kinase domain and belong to the MAP kinase family. Expressed in different areas throughout the body with common expression patterns in heart, p38 proteins use magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins. Via their catalytic activity, p38 α , p38 β and p38 γ are involved in a variety of events throughout the cell, including signal transduction pathways, cytokine production and cell proliferation and differentiation.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 42 kDa

Swiss-Prot:

Q16539

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

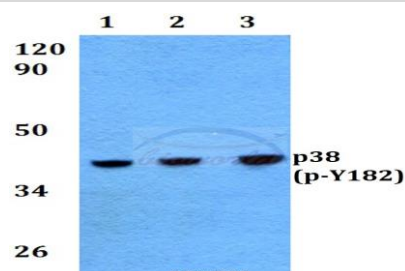
Storage&Stability:

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

Specificity:

p-p38 (Y182) polyclonal antibody detects endogenous levels of p38 protein only when phosphorylated at Tyr182.

DATA:

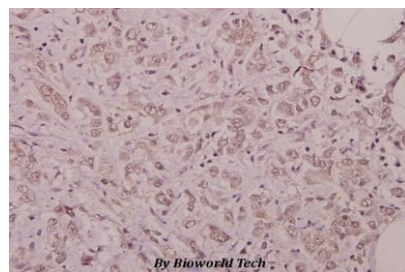


Western blot (WB) analysis of p-p38 (Y182) polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate treated with UV(4h)

Lane2: Hela cell lysate treated with UV(4h)

Lane3: PC12 cell lysate treated with UV(4h)



Immunohistochemistry (IHC) analysis of p-p38 (Y182) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

Note:

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

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