p38/MAPK14 (phospho-Y322) polyclonal antibody

Catalog: BS6381 Host: Rabbit Reactivity: Human,Mouse

BackGround:

MAP (mitogen-activated protein) kinases play a significant role in many biological processes, including cell adhesion and spreading, cell differentiation and apoptosis. p38α, p38β and p38γ, 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, p38α, p38β and p38γ are involved in a variety of events throughout the cell, including signal transduction pathways, cytokine production and cell proliferation and differentiation.

Product:

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

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: 1:500~1:2000

IF: 1:50~1:200

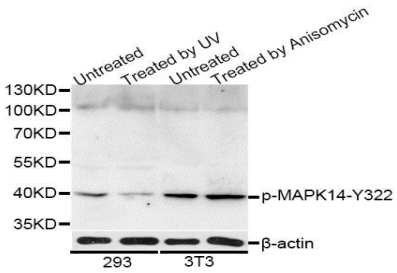
Storage&Stability:

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

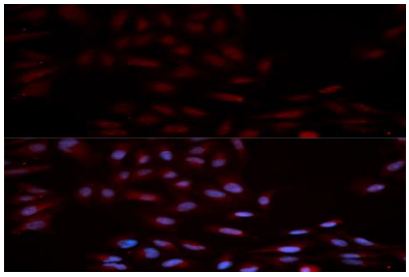
Specificity:

p38/MAPK14 (phospho-Y322) polyclonal antibody detects endogenous levels of MAPK14 protein only when phosphorylated at Tyr322.

DATA:



Western blot analysis of extracts of 293 and NIH/3T3 cells, using p38/MAPK14 (phospho-Y322) polyclonal antibody.



Immunofluorescence analysis of U2OS cells using p38/MAPK14 (phospho-Y322) polyclonal antibody.

Note:

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

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