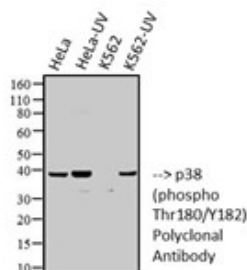


Cat. No: ABP-0297
Conjugate: Unconjugated
Size: 100 ug
Clone: Poly
Concentration: 1mg/ml
Host: Rb
Isotype: IgG
Reactivity: Hu, Ms, Rt
Applications: Western blotting 1:1,000 Immunohistochemistry(P): 1:100-200 Elisa: 1:2,500
Molecular Weight: 41 kDa

Purification: Synthesized peptide derived from human p38 around the phosphorylation site of T180/Y182.. Antibodies are affinity purified by protein A and peptide affinity chromatography.

Background: p38 is a protein encoded by the MAPK14 gene which is approximately 41,2 kDa. p38 is localised to the cytoplasm and nucleus. It is involved in activated TLR4 signalling, the IL-2 pathway, toll-like receptor signalling pathways, the VEGF signalling pathway and 4-1BB pathway. This protein falls under the MAP kinase family. It acts as an integration point for multiple biochemical signals, and is involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is activated by various environmental stresses and proinflammatory cytokines. p38 is expressed in the brain, heart, placenta, pancreas and skeletal muscle. Mutations in the MAPK14 gene may result in patellar tendinitis and lumbosacral lipoma. STJ90498 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This primary antibody specifically binds to endogenous p38 protein which only binds about T180/Y182 when T180/Y182 is phosphorylated. Phospho-p38 (T180/Y182) Polyclonal Antibody detects endogenous levels of p38 protein only when phosphorylated at T180/Y182.

Form: liquid
Buffer: 50% glycerol, 0,5% BSA, PBS with 0.02% sodium azide.
Storage: Store at -20°C. Avoid freeze / thaw cycles



Western blot analysis of extracts from HeLa (+UV), HeLa (-UV), K562 (+UV), K562 (-UV) cells using Phospho-p38 MAPK (Thr180/Tyr182) antibody.

References

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