Product **Datasheet**

Anti-p-p38 (Thr180/Tyr182) Rabbit pAb

WL03428

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-p-p38 (Thr180/Tyr182) Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	Western blot 1:500-1:1000 Immunohistochemistry 1:100-1:150
Molecular Wt.	Predicted band size: 42 kDa
Cellular localization	Cytoplasm, Nucleus.
Pack size	50/100/200/500/1000μl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

MAP (mitogen-activated protein) kinases play a significant role in many biological processes, including cell adhesion and spreading, cell differentiation and apoptosis.Four isoforms of p38 MAPK, p38α, β, γ (also known as Erk6 or SAPK3), and δ (also known as SAPK4) have been identified. Similar to the SAPK/JNK pathway, p38 MAPK is activated by a variety of cellular stresses including osmotic shock, inflammatory cytokines, lipopolysaccharide (LPS), UV light, and growth factors . MKK3, MKK6, and SEK activate p38 MAPK by phosphorylation at Thr180 and Tyr182. Activated p38 MAPK has been shown to phosphorylate and activate MAPKAP kinase 2 and to phosphorylate the transcription factors ATF-2, Max, and MEF2.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of p-p38 (Thr180/Tyr182).

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

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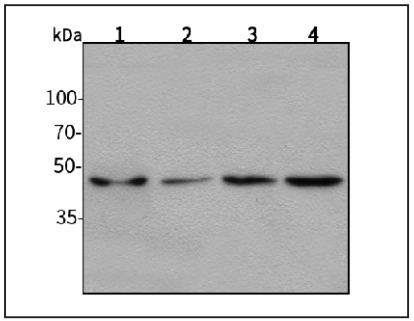
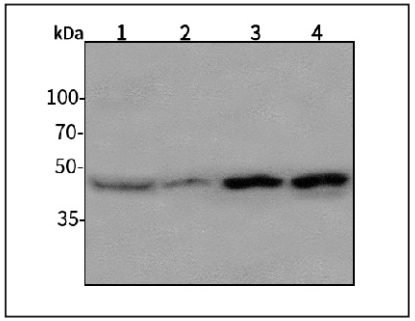
Product Images



Western blot-Anti-p-p38 (Thr180/Tyr182) pAb

Lane 1: Human HepG2 cell lysate 30μg
Lane 2: Human Hela cell lysate 30μg
Lane 3: Human BGC-823 cell lysate 30μg
Lane 4: Human SGC-7901 cell lysate 30μg
Separation gel: 10% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
Secondary antibody（WLA023a）: 1:5000-1:10000, 45min
Detection: ECL, 30s-2min



Western blot-Anti-p-p38 (Thr180/Tyr182) pAb

Lane 1: Mouse kidney tissue lysate 30μg
Lane 2: Mouse liver tissue lysate 30μg
Lane 3: Rat lung tissue lysate 30μg
Lane 4: Rat colon tissue lysate 30μg
Separation gel: 10% polyacrylamide
Electrophoresis: 100V, 4°C, 3h
Transmembrane: 100V, 4°C, 1h
Blocking: 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking
Primary antibody: 1:1000 in blocking buffer, 4°C, overnight
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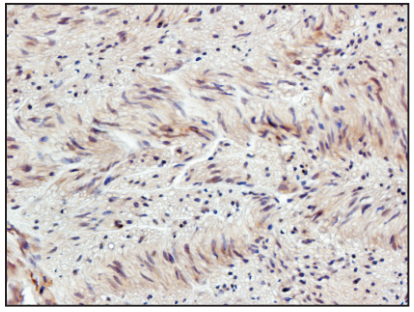

Immunohistochemistry-Anti-p-p38 (Thr180/Tyr182) pAb

Sample: Human colon cancer tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:150, 4°C, overnignt
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Color Developing: DAB

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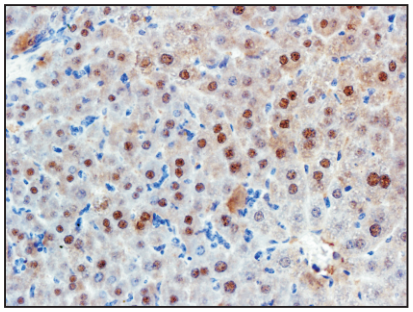

Immunohistochemistry-Anti-p-p38 (Thr180/Tyr182) pAb

Sample: Rat liver cancer tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:150, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Color Developing: DAB