

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	1:300-1:500
Immunohistochemistry	1:100-1:150

**Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*

Molecular Wt. Predicted band size: 38-43 kDa

Observed band size: 43 kDa

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.

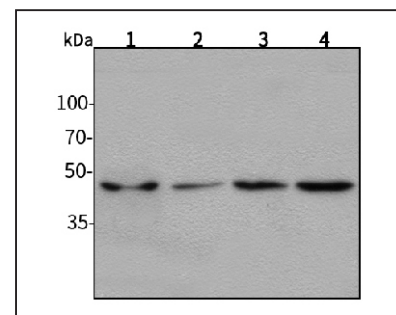
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Product Images

**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

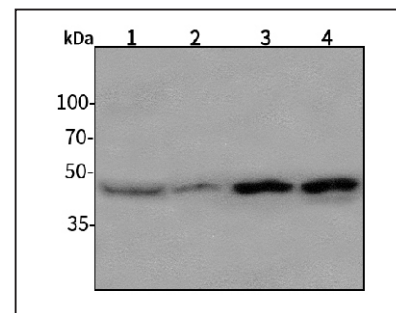
Transmembrane: 100V, 4°C, 1h

Blocking: 5% w/v nonfat dry milk, 1 × TBST, at RT with gentle shaking

Primary antibody: 1:500 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

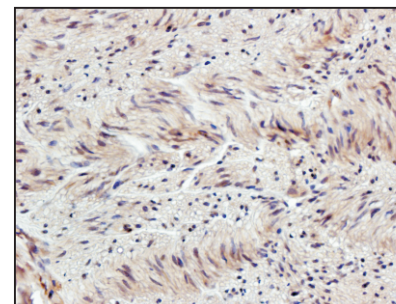
Transmembrane: 100V, 4°C, 1h

Blocking: 5% w/v nonfat dry milk, 1 × TBST, at RT with gentle shaking

Primary antibody: 1:500 in blocking buffer, 4°C, overnight

Secondary antibody (WLA023a) : 1:5000-1:10000, 45min

Detection: ECL, 30s-2min

**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, overnight

Secondary antibody-Biotin: 1:150, 37°C, 1h

Streptavidin-HRP: 1:200, 37°C, 30min

Color Developing: DAB

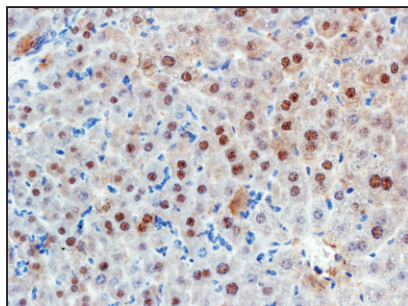
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Product Information



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

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Color Developing: DAB