

Anti-p38 Rabbit pAb



WLH3870

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-p38 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	Immunohistochemistry	1:100-1:400
	Immunofluorescence	1:100-1:400
	<i>*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.</i>	
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 p38.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

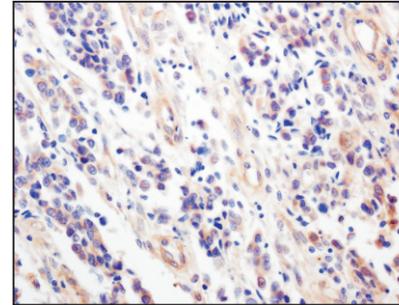
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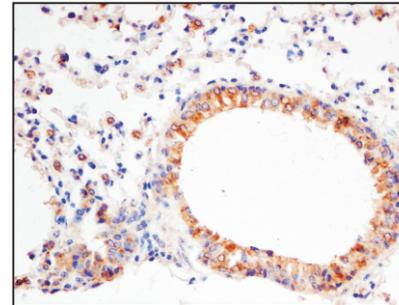
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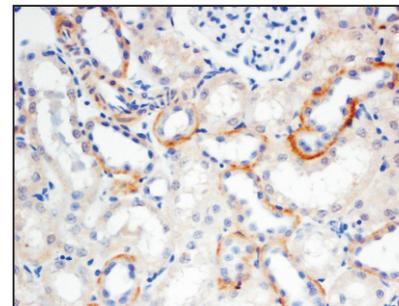
Product Images

**Immunohistochemistry-Anti-p38 pAb**

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

**Immunohistochemistry-Anti-p38 pAb**

Sample: Mouse lung tissue
Antigen retrieval: pH 9.0 Tris-EDTA buffer
Primary antibody: 1:200, 4°C, overnight
Secondary antibody-Biotin: 1:150, 37°C, 1h
Streptavidin-HRP: 1:200, 37°C, 30min
Visualization: DAB

**Immunohistochemistry-Anti-p38 pAb**

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

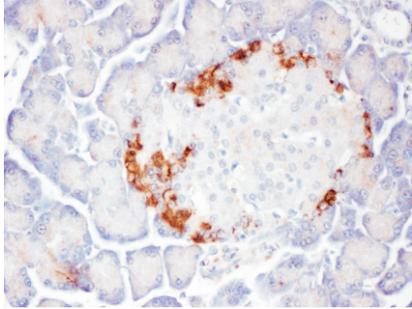
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Immunohistochemistry-Anti-p38 pAb

Sample: Rat pancreas tissue

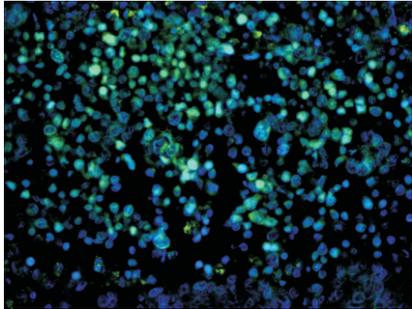
Antigen retrieval: pH 9.0 Tris-EDTA buffer

Primary antibody: 1:200, 4°C, overnight

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

Streptavidin-HRP: 1:200, 37°C, 30min

Visualization: DAB

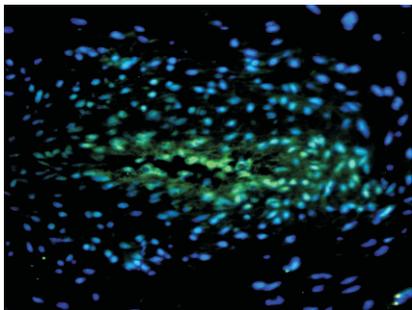


Immunofluorescence-Anti-p38 pAb

Sample: Human colon cancer tissue

Primary antibody: 1:200, 4°C, overnight

Secondary antibody-FITC: 1:200, at room temperature, 1h



Immunofluorescence-Anti-p38 pAb

Sample: Human placenta tissue

Primary antibody: 1:200, 4°C, overnight

Secondary antibody-FITC: 1:200, at room temperature, 1h