Recombinant p38 Monoclonal Antibody

catalog number: **AN300925L**

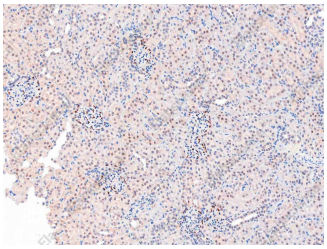
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

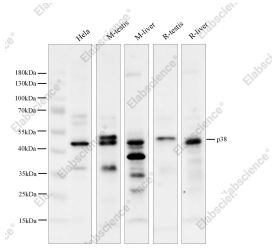
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human p38 protein
Host	Rabbit
Isotype	Rabbit IgG
Clone	C110549
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000-1:5000
IHC	1:50-1:300
IF	1:200-1:1000
ELISA	1:5000-1:20000
IP	1:50-1:200

Data



Immunohistochemical analysis of paraffin-embedded Rat kidney tissue sections using p38 Antibody (AN300925L) at a dilution of 1:75 (10× lens). Heat mediated antigen retrieval was performed with Tris-EDTA buffer (pH 9.0) for 20 min prior to IHC staining.



Western blot analysis of HeLa,Mouse testis,Mouse liver,Rat testis and Rat liver cell lysates using p38 Antibody (AN300925L) at a dilution of 1:1500.

Observed-MW:41 kDa

Calculated-MW:41 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are 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. The activation requires its phosphorylation by MAP kinase kinases (MKKs), or its autophosphorylation triggered by the interaction of MAP3K7IP1/TAB1 protein with this kinase. The substrates of this kinase include transcription regulator ATF2, MEF2C, and MAX, cell cycle regulator CDC25B, and tumor suppressor p53, which suggest the roles of this kinase in stress related transcription and cell cycle regulation, as well as in genotoxic stress response.

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