

Recombinant p38 Monoclonal Antibody

catalog number: **AN300925L**

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

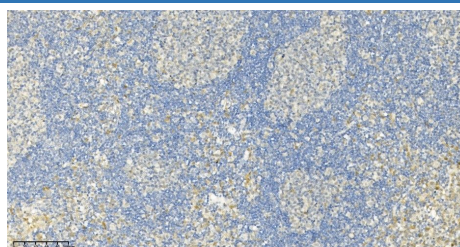
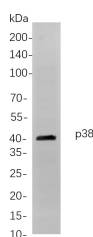
Description

| | |
|---------------------|---|
| Reactivity | Human;Mouse;Rat |
| Immunogen | Recombinant Human p38 protein |
| Host | Rabbit |
| Isotype | IgG, κ |
| Clone | 9A10 |
| Purification | Protein A |
| Buffer | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

Applications

| Applications | Recommended Dilution |
|--------------|----------------------|
| WB | 1:1000-1:5000 |
| IHC | 1:50-1:300 |

Data



Western Blot with Recombinant p38 Monoclonal Antibody at dilution of 1:1000. Lane A: Hela cells. Immunohistochemistry of paraffin-embedded rat Mesenteric lymph nodes using Recombinant p38 Monoclonal Antibody at dilution of 1:200.

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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