# Phospho-P38 (Thr180/Tyr182) Polyclonal Antibody

**Catalog Number:E-AB-21027** 13 Publications

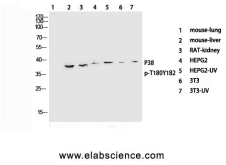
*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

## Description

| | |
|---|---|
| **Reactivity** | Human,Mouse,Rat |
| **Immunogen** | Synthesized peptide derived from human p38 around the phosphorylation site of Thr180/Tyr182 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Purification** | Affinity purification |
| **Conjugation** | Unconjugated |
| **Formulation** | PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4 |

| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:2000 |
| **IHC** | 1:100-1:300 |
| **IF** | 1:50-1:200 |
| **ELISA** | 1:5000 |

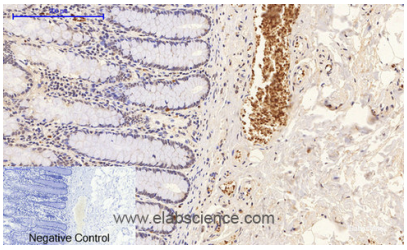
## Data



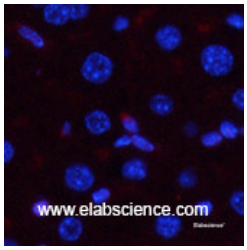

Western Blot analysis of various cells with Phospho-p38 (Thr180/Tyr182) Polyclonal Antibody at dilution of 1:1000

**Observed Mw:38kDa**

**Calculated Mw:41kDa**




Immunohistochemistry of paraffin-embedded Human colon tissue with Phospho-p38 (Thr180/Tyr182) Polyclonal Antibody at dilution of 1:200




Immunofluorescence analysis of Mouse liver tissue with Phospho-p38 (Thr180/Tyr182) Polyclonal Antibody at dilution of 1:200

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20℃. Avoid freeze / thaw cycles. |

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## Background

MAPK14(mitogen-activated protein kinase 14) is also named as SAPK2A,p38MAPK,CSBP1,RK,p38,EXIP,Mxi2,CSBP2,PRKM14,PRKM15,CSPB1,p38ALPHA and belongs to the MAP kinase subfamily. MAPK14-signaling is a central pathway for the integration of instructive signals in dendritic cells for T(H)17 differentiation and inflammation(PMID:22231518). It plays an important role in the regulation of hematopoietic stem cellself-renewal in vitro and inhibition of MAPK14 activation with a small molecule inhibitor may represent a novel approach to promote ex vivo expansion of hematopoietic stem cell(PMID:21198398). This protein has 4 isoforms produced by alternative splicing.



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