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Built Around Immunology

# Anti-p38 MAPK Rabbit pAb (A72171)

**Catalog No.: A72171**

## Basic Information

| | |
|---|---|
| Catalog No. (Cat.No.) | A72171 |
| Host species | Rabbit |
| Reactivity | Human,Mouse,Rat |
| Applications | WB,ELISA |
| Synonyms | p38 MAPK,p38α MAPK,p38-alpha MAPK,PRKM14 |

## Product Information

| | |
|---|---|
| Target | p38 MAPK |
| Molecular Weight(Calculated) | 41 kDa |
| Molecular Weight(Observed) | 42 kDa |
| Isotype | IgG |
| Conjugation | NA |
| Concentration | 1 mg/ml |
| Clonality | Polyclonal |
| Clone No. | NA |
| RRID | NA |
| Storage buffer | 50% Glycerol, 0.5% BSA and 0.02% preservative in PBS (pH 7.2-7.4) |
| Storage | Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles. |
| Shipped at conditions | Frozen |
| Form | Liquid |

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## Product Usage Information

| Application | Dilution |
|---|---|
| WB | 1:500-1:2000 |
| ELISA | 1:10000-1:20000 |

## Target Information

| | |
|---|---|
| Protein Name | Mitogen-activated protein kinase-14 (p38-α) |
| Gene Name | *MAPK14* |
| Domain | human p38 MAPK□Polyclonal□, aa 73-143 |
| Background | p38 MAPK (Mitogen-activated protein kinase 14) belongs to MAP kinase family and transduces cellular stress, inflammatory, apoptotic and differentiation signals. p38 is a serine-threonine kinase activated via upstream MAP2K-mediated dual phosphorylation upon pro-inflammatory cytokines, oxidative stress, UV irradiation and osmotic challenge. Activated p38 translocates into nucleus and phosphorylates transcription factors to modulate transcription of pro-inflammatory, apoptotic and cell-cycle target genes. It mediates innate immunity and cytokine production, as well as cell differentiation and senescence. Sustained p38 signaling contributes to autoimmunity, inflammatory disorders and tumor progression. |