

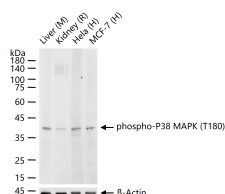
**bsm-63316R****[ Primary Antibody ]****Bioss**  
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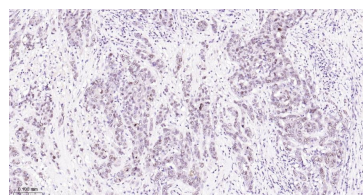
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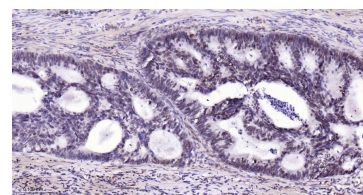
400-901-9800

**phospho-P38 MAPK (T180) Recombinant Rabbit mAb****— DATASHEET —****Host:** Rabbit**Clonality:** Recombinant**CloneNo.:** 1F2**GeneID:** 1432**SWISS:** Q16539**Target:** P38 MAPK (T180)**Immunogen:** A synthesized peptide derived from human p38 MAPK around the phosphorylation site of T180: EM-T(p)-GYV.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.  
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**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, MEK2C, 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. Four alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported.**Applications:** **WB** (1:500-2000)**IHC-P** (1:50-200)**IHC-F** (1:50-200)**IF** (1:50-200)**Flow-Cyt** (1:50-100)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 41 kDa**Observed MW.:** 40 kDa**Subcellular Location:** Cytoplasm ,Nucleus**— VALIDATION IMAGES —**

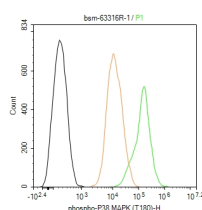
25 ug total protein per lane of various lysates (see on figure) probed with phospho-P38 MAPK (T180) monoclonal antibody, unconjugated (bsm-63316R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-P38 MAPK (T180) Monoclonal Antibody, Unconjugated (bsm-63316R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with phospho-P38 MAPK (T180) Monoclonal Antibody, Unconjugated (bsm-63316R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



The HeLa( treated with 200J/m2 UV-C then recovery for 30 min) (H) cells were fixed with 4%

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-phospho-P38 MAPK (T180) antibody (bsm-63316R, 1:100); Isotype Control (orange): Rabbit IgG (bs-0295P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

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## — SELECTED CITATIONS —

- **[IF=4.2]** Weiqi Liu. et al. Targeting TatD nuclease and the MAPK Pathway: Luteolin multifaceted approach against Mycoplasma gallisepticum infection. POULTRY SCI. 2026 Jan;;106426 WB ;Chicken. 41548475