

bs-1319R**[Primary Antibody]**

Bioss
ANTIBODIES

www.bioss.com.cn

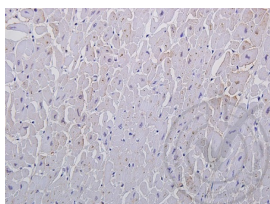
sales@bioss.com.cn

techsupport@bioss.com.cn

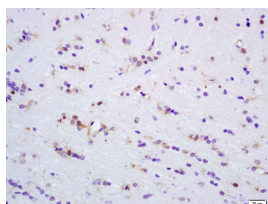
400-901-9800

MAPK4 Rabbit pAb**— DATASHEET —**

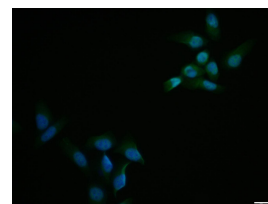
Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (2ug/Test) ICC/IF (1:100) Reactivity: Human, Rat (predicted: Mouse) Predicted MW.: 66 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Polyclonal		
GeneID: 5596	SWISS: P31152	
Target: MAPK4		
Immunogen: KLH conjugated synthetic peptide derived from human MAPK4: 21-130/587.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Mitogen-activated protein kinase 4 is a member of the mitogen-activated protein kinase family. Tyrosine kinase growth factor receptors activate mitogen-activated protein kinases which then translocate into the nucleus where it phosphorylates nuclear targets. [provided by RefSeq, Jul 2008]		

— VALIDATION IMAGES —

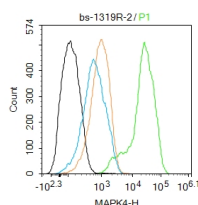
Independently Validated Antibody, image provided by Science Direct, badge number 029727: Formalin-fixed and paraffin embedded human heart labeled with Rabbit Anti-ERK4 Polyclonal Antibody, Unconjugated (bs-1319R) at 1:250 overnight at 4°C followed by conjugation to the secondary antibody and DAB staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-MAPK4 Polyclonal Antibody, Unconjugated(bs-1319R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (MAPK4) polyclonal Antibody, Unconjugated (bs-1319R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control: HeLa. Primary Antibody (green line): Rabbit Anti-MAPK4 antibody (bs-1319R)
 Dilution: 2ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test.
 Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein

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

interactions for 30 min at room temperature
.Cells stained with Primary Antibody for 30 min
at room temperature. The secondary antibody
used for 40 min at room temperature.
Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=8.1]** Pei Huang. et al. MAPK4 inhibits the early aberrant activation of B cells in rheumatoid arthritis by promoting the IRF4-SHIP1 signaling pathway. CELL DEATH & DISEASE. 2025 Jan 26;16(1):43. Co-IP, flow cytometry ; mouse human. 39863600