bs-1319R

[Primary Antibody]

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MAPK4 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

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]

Applications: IHC-P (1:100-500)

IHC-F (1:100-500) **IF** (1:100-500) Flow-Cyt (2ug/Test) ICC/IF (1:100-500)

Reactivity: Human, Rat

(predicted: Mouse)

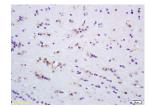
Predicted 66 kDa MW.:

Subcellular Cytoplasm ,Nucleus

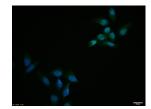
VALIDATION IMAGES



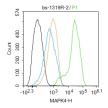
Independently Validated Antibody, image provided by Science Direct, badge number 029727: Formalin-fixed and paraffin embedded human heart labeled with Rabbit Anti-ERK4 Polyclonal Antibody, Unconjugated (bs-1319R) at 1:250 overnight at 4C followed by conjugation to the secondary antibody and DAB staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffinembedded; 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

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