

Anti-MAPK4 Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human,Rat (predicted:Mouse)
Molecular Weight:	Theoretical: 66 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<p>1. HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (MAPK4) polyclonal Antibody, Unconjugated (TMAB-08588) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.</p> <p>2. Blank control: HeLa. Primary Antibody (green line): Rabbit Anti-MAPK4 antibody (TMAB-08588) Dilution: 2 µg/Test; Secondary Antibody: Goat anti-rabbit IgG-FITC Dilution: 0.5 µg/Test. Protocol The cells were fixed with 4% PFA (10 min 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.</p> <p>3. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01 M, pH 6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-MAPK4 Polyclonal Antibody, Unconjugated (TMAB-08588) 1: 200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining</p> <p>4. 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 (TMAB-08588) at 1: 250 overnight at 4C followed by conjugation to the secondary antibody and DAB staining</p>
Application:	IHC-P,IHC-Fr,ICC/IF,IF,FCM
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; ICC/IF: 1:100-500; IF: 1:100-500; FCM: 2µg/Test

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human MAPK4

Antigen Species: Human

Gene ID: 5596

Uniprot ID: P31152

Research 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]

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