

Anti-MAPK14 Antibody (8W839)

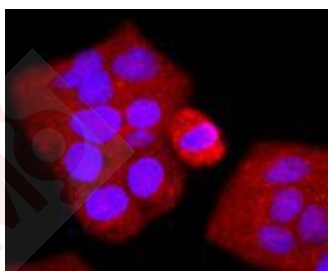
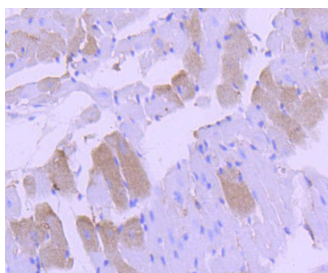
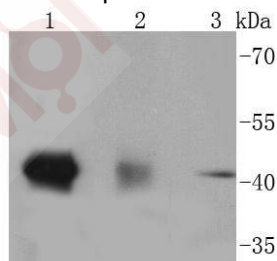
Product Details

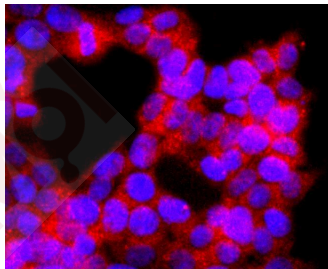
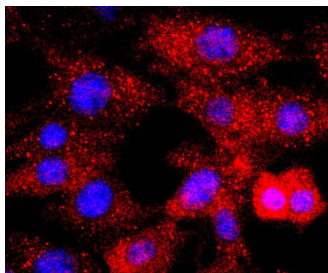
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 41 kDa.
Clone:	8W839
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of p38 MAPK on different lysates using anti-p38 MAPK antibody at 1/1,000 dilution. Positive control: Lane 1: NIH/3T3, Lane 2: Human brain, Lane 3: 293.
2. Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-p38 MAPK antibody. Counter stained with hematoxylin.
3. ICC staining p38 MAPK in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining p38 MAPK in NIH/3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining p38 MAPK in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC/IF,IHC,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC/IF: 1:50-200

Properties

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

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q16539

Synonyms: MAP kinase MXI2;Cytokine suppressive anti-inflammatory drug-binding protein;EC 2.7.11.24; MAP kinase 14;MAPK 14;SAPK2a;Mitogen-activated protein kinase 14;CSBP;MAX-interacting protein 2;MXI2;Mitogen-activated protein kinase p38 alpha;CSBP1;P38 MAPK;CSBP2;Stress-activated protein kinase 2a;CSAID-binding protein;MAP kinase p38 alpha

Research Background

MAP (mitogen-activated protein) kinases play a significant role in many biological processes, including cell adhesion and spreading, cell differentiation and apoptosis. p38 α , p38 β and p38 γ , also known as MAPK14, MAPK11 and MAPK12, respectively, each contain one protein kinase domain and belong to the MAP kinase family. Expressed in different areas throughout the body with common expression patterns in heart, p38 proteins use magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins. Via their catalytic activity, p38 α , p38 β and p38 γ are involved in a variety of events throughout the cell, including signal transduction pathways, cytokine production and cell proliferation and differentiation. The p38 proteins are subject to phosphorylation on Thr and Tyr residues, an event which is thought to activate the phosphorylated protein.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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