Recombinant JNK2/MAPK9 Monoclonal Antibody

catalog number: AN300348P

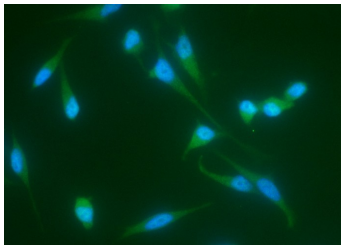
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

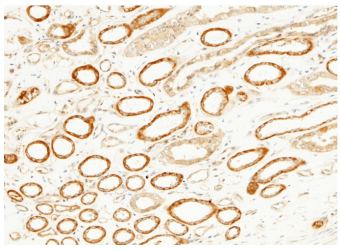
Reactivity	Human
Immunogen	Recombinant Human JNK2/MAPK9 protein
Host	Rabbit
Isotype	IgG
Clone	B270
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:1000
IHC-P	1:500-1:2500
ICC/IF	1:100-1:500
IP	1-2 μL/mg of lysate

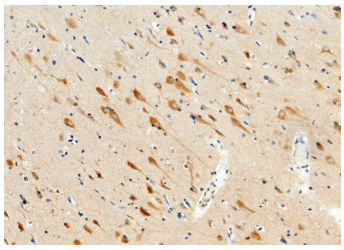
Data



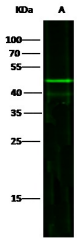
Immunofluorescence analysis of Human MAPK9 in Hela cells. Cells were fixed with 4% PFA, permeabilzed with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with Rabbit anti-Human MAPK9 monoclonal antibody (1:300) at 37°C 1 hour. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm and Nucleus.



Immunohistochemistry of paraffin-embedded human kidney using JNK2/MAPK9 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded human brain using JNK2/MAPK9 Monoclonal Antibody at dilution of 1:1000.

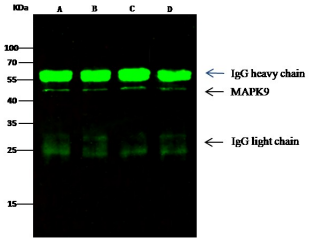


Western Blot with MAPK9 Monoclonal Antibody at dilution of 1:500 dilution. Lane A: Jurkat Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:54 kDa

Calculated-MW:48 kDa

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Immunoprecipitation analysis using 0.5 µL anti-MAPK9 Monoclonal Antibody and 15 µl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using MAPK9 Monoclonal Antibody at a dilution of 1:500. Lane A:0.5 mg HepG2 Whole Cell Lysate, Lane B:0.5 mg Hela Whole Cell Lysate, Lane C:0.5 mg Jurkat Whole Cell Lysate, Lane D:0.5 mg MCF-7 Whole Cell Lysate

Observed-MW:54 kDa

Calculated-MW:48 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

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 targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.

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