

## Basic Information

<b>Product Name</b>	Anti-JNK2/MAPK9 Antibody (Clone#OTI2H3)
<b>Gene Name</b>	MAPK9
<b>Source</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Species Reactivity</b>	human, mouse, rat
<b>Tested Application</b>	IHC, WB
<b>Contents</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Immunogen</b>	Full length human recombinant protein of human MAPK9(NP_620707) produced in HEK293T cell.
<b>Concentration</b>	500 ug/ml
<b>Purification</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Observed MW</b>	43.9 kDa
<b>Dilution Ratios</b>	Western blot (WB): 1:2000 Immunohistochemistry (IHC):1:150

## Storage

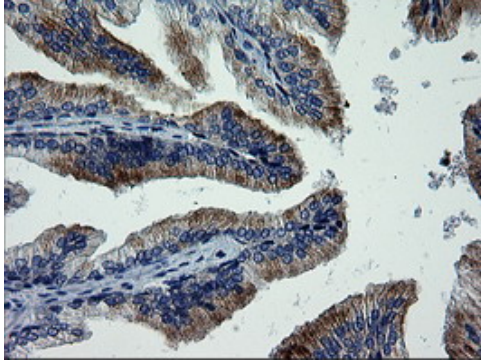
Stable for 12 months from date of receipt. Store at -20°C as received.

## Background Information

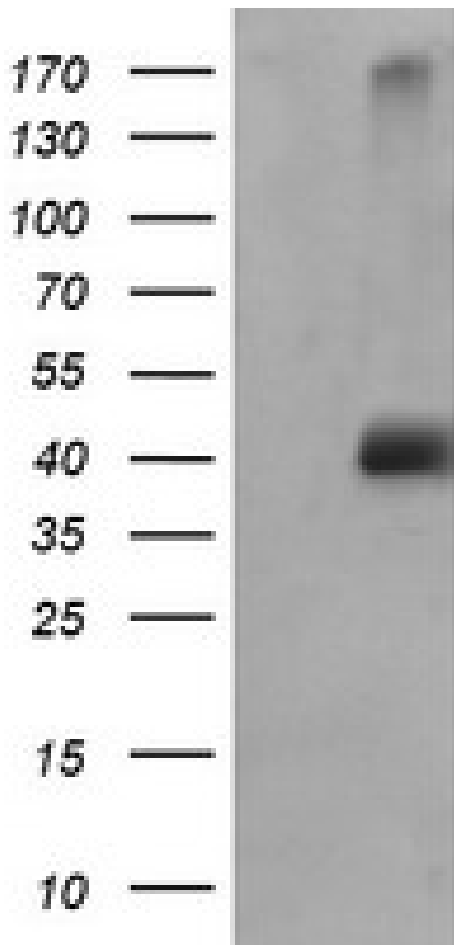
The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase targets 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. [provided by RefSeq]

## Selected Validation Data



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-MAPK9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, M02706-2)



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MAPK9 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MAPK9.

Product datasheet

**Anti-JNK2/MAPK9 Antibody  
(Clone#OTI2H3)**

**Catalog Number: M02706-2**

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