

For Research Use Only

# Phospho-JNK (Thr183/Tyr185) Monoclonal antibody

Catalog Number: 60666-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 60666-1-Ig	<b>GenBank Accession Number:</b> NM_138982	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 5599	<b>CloneNo.:</b> 2H8F12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P45983	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:200-1:1000
<b>Isotype:</b> IgG2b	<b>Full Name:</b> mitogen-activated protein kinase 8	
	<b>Calculated MW:</b> 48 kDa	
	<b>Observed MW:</b> 42 kDa, 50 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HeLa cells, HEK-293 cells, NIH/3T3 cells, HSC-T6 cells, UV treated HEK-293 cells, UV treated NIH/3T3 cells, UV treated HSC-T6 cells, Anisomycin treated HeLa cells
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> Jurkat cells,
<b>Cited Species:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

MAPK8(Mitogen-activated protein kinase 8) is also named as JNK1, PRKM8, SAPK1, SAPK1C and belongs to the MAP kinase subfamily. The JNK gene generates 10 forms of JNK through alternative splicing, and the protein encoded by the JNK gene has or does not have a COOH terminal, resulting in 46 kDa and 54 kDa proteins. MAPK8 is activated by dual phosphorylation at a Thr-Pro-Tyr motif during response to UV light. Phosphorylation of these sites in response to UV results in transcriptional activation of c-Jun. The antibody can detect endogenous levels of p46 and p54 SAPK/JNK when phosphorylated at Thr183 and Tyr185. It will also react with JNK singly phosphorylated at Thr183.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shaoyin Wei	39896292	Mater Today Bio	WB

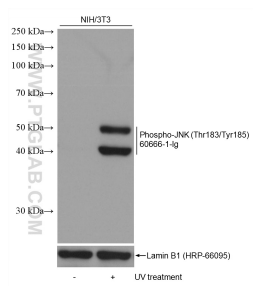
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

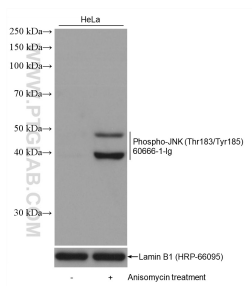
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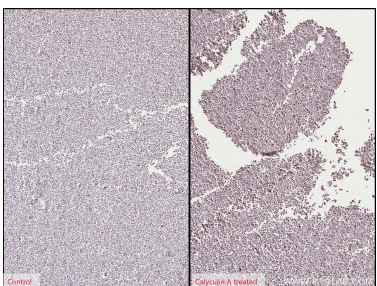
## Selected Validation Data



Non-treated and UV treated NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 60666-1-Ig (Phospho-JNK (Thr183/Tyr185) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (HRP-66095) antibody as a loading control.



Non-treated and Anisomycin treated HeLa cells were subjected to SDS PAGE followed by western blot with 60666-1-Ig (Phospho-JNK (Thr183/Tyr185) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Lamin B1 (HRP-66095) antibody as a loading control.



Immunohistochemical analysis of paraffin-embedded Jurkat cells slide using 60666-1-Ig (Phospho-JNK (Thr183/Tyr185) antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).