

For Research Use Only

Phospho-JNK (Thr183/Tyr185) Monoclonal antibody, PBS Only

Catalog Number: 60666-1-PBS



Basic Information

Catalog Number: 60666-1-PBS	GenBank Accession Number: NM_138982	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5599	CloneNo.: 2H8F 12
Source: Mouse	UNIPROT ID: P45983	
Isotype: IgG2b	Full Name: mitogen-activated protein kinase 8	
	Calculated MW: 48 kDa	
	Observed MW: 42 kDa, 50 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

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.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

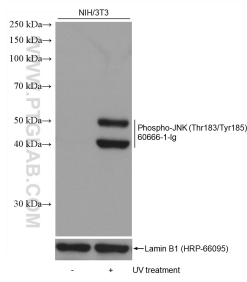
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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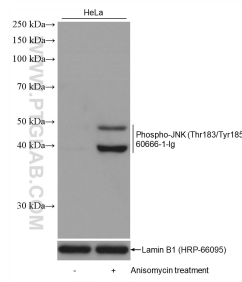
E: proteintech@ptglab.com
W: ptglab.com

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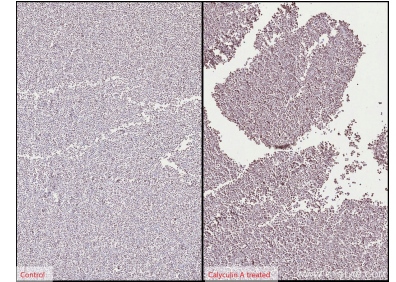
Selected Validation Data



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. This data was developed using the same antibody clone with 60666-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 60666-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 60666-1-PBS in a different storage buffer formulation.