

For Research Use Only

Phospho-JNK (Tyr185) Recombinant antibody, PBS Only

Catalog Number: 80024-1-PBS

1 Publications



Basic Information

Catalog Number:

80024-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_139049

GeneID (NCBI):

5599

UNIPROT ID:

P45983

Full Name:

mitogen-activated protein kinase 8

Observed MW:

37-46 kDa

Purification Method:

Protein A purification

CloneNo.:

2G8

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), Indirect ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, 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. In the phosphorylation of JNK, JNK1 and JNK2/3 have molecular weights of 46 and 54 kDa (PMID: 21378396)

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaozhe Su	39410845	Redox Rep	WB, IHC

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

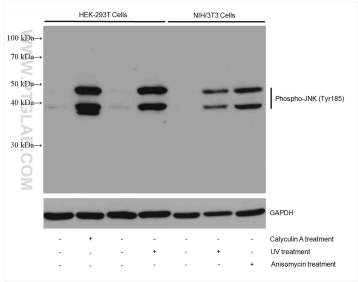
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

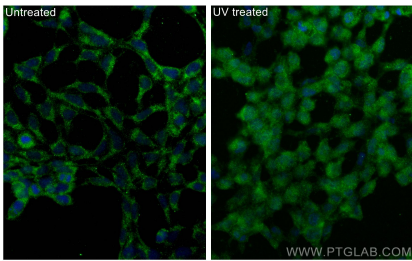
E: proteintech@ptglab.com
W: ptglab.com

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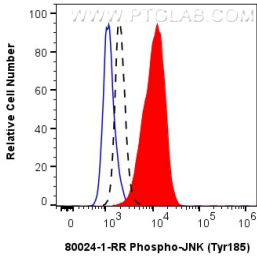
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80024-1-RR (Phospho-JNK (Tyr185) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 80024-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed UV treated HEK-293 cells using Phospho-JNK (Tyr185) antibody (80024-1-RR, Clone: 2G8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 80024-1-PBS in a different storage buffer formulation.



1X10⁶ HEK-293 cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.13 ug Phospho-JNK (Tyr185) Recombinant antibody (80024-1-RR, Clone:2G8) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.13 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH. This data was developed

