For Research Use Only

Phospho-JNK (Tyr185) Recombinant antibody

Catalog Number:80024-1-RR 234 Publications

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Basic Information

Catalog Number:
80024-1-RR

Concentration:
1000 ug/ml

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

Recommended Dilutions:
WB 1:1000-1:4000
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat, pig, zebrafish, sheep

Positive Controls:

WB : HEK-293T cells, Calyculin A treated HEK-293T cells, UV treated HEK-293T cells, UV treated NIH/3T3 cells, Anisomycin treated NIH/3T3 cells

IF/ICC : UV treated HEK-293 cells,

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
Xin-Sen Chen	36182039	Pharmacol Res	WB
Bingyu Xie	36179941	Mol Cell Endocrinol	WB
Zhaohai Wen	36238295	Front Immunol	WB

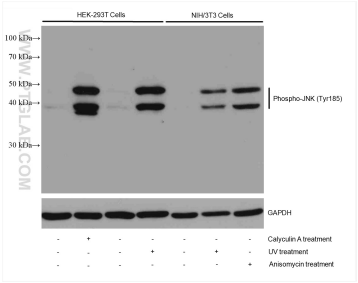
Storage

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

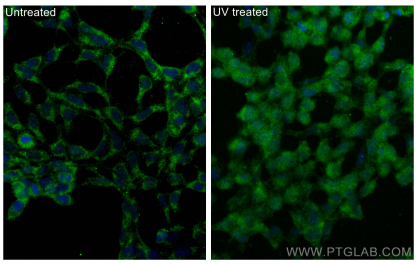
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

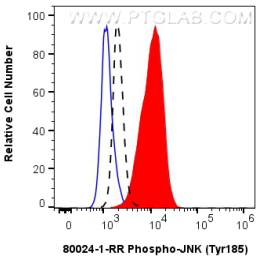
Selected Validation Data



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.



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).



1X10^6 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.