

For Research Use Only

CoraLite® Plus 488-conjugated JNK Recombinant antibody



Catalog Number:CL488-81629

Basic Information

Catalog Number: CL488-81629	GenBank Accession Number: BC130572	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5599	CloneNo.: 6J16
Source: Rabbit	Full Name: mitogen-activated protein kinase 8	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG	Calculated MW: 48 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG1639	Observed MW: 44-48 kDa, 50-55 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : Jurkat cells,
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. MAPK8 is activated by dual phosphorylation at a Thr-Pro-Tyr motif during response to UV light. MAPK8 functions to phosphorylate c-Jun at N-terminal serine regulatory sites of Ser-63 and Ser-73, mapping within the transactivation domain. Phosphorylation of these sites in response to UV results in transcriptional activation of c-Jun. It has some isoforms produced by alternative splicing with the molecular weight of 46 kDa and 48 kDa. This protein can be phosphorylated and this antibody recognizes the 46 kDa and 55 kDa bands in western blot(PMID:11062067). This antibody can recognize JNK1, JNK2 and JNK3.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

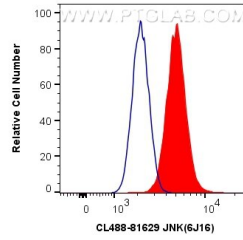
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 488 JNK antibody (CL488-81629, Clone: 6J16) at dilution of 1:200.



1X10⁶ HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human JNK (CL488-81629, Clone:6J16) (red), or 0.8 ug Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).