

For Research Use Only

CoraLite® Plus 488-conjugated JNK Polyclonal antibody



Catalog Number: CL488-24164

Basic Information

Catalog Number: CL488-24164	GenBank Accession Number: BC130572	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 5599	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P45983	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: mitogen-activated protein kinase 8	
Immunogen Catalog Number: AG21426	Calculated MW: 48 kDa	
	Observed MW: 40 kDa, 48 kDa	

Applications

Tested Applications: FC (Intra), IF/ICC	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

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

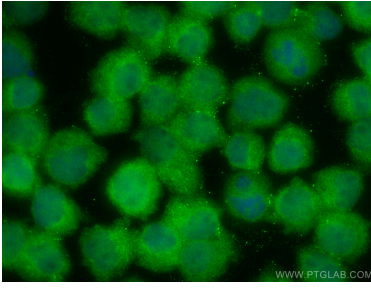
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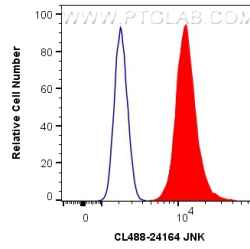
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 488 JNK antibody (CL488-24164) at dilution of 1:200.



1×10^6 HeLa cells were intracellularly stained with 0.8 μ g CoraLite® Plus 488 Anti-Human JNK (CL488-24164) (red), or 0.8 μ g Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).