

CoraLite® Plus 488-conjugated JNK Recombinant antibody

Catalog Number: **CL488-81629**

Basic Information

Catalog Number:

CL488-81629

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1639

GenBank Accession Number:

BC130572

GeneID (NCBI):

5599

UNIPROT ID:

P45983

Full Name:

mitogen-activated protein kinase 8

Calculated MW:

48 kDa

Observed MW:

44-48 kDa, 50-55 kDa

Purification Method:

Protein A purification

CloneNo.:

6J16

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : Jurkat cells,

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:

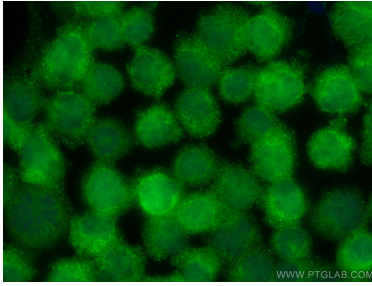
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

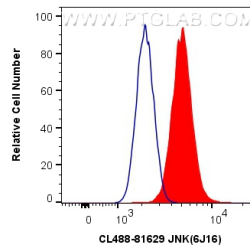
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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).