

For Research Use Only

# CoraLite® Plus 488-conjugated ERK1/2 Polyclonal antibody



Catalog Number: CL488-11257

Featured Product

## Basic Information

Catalog Number:

CL488-11257

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1759

GenBank Accession Number:

BC013992

GeneID (NCBI):

5595

UNIPROT ID:

P27361

Full Name:

mitogen-activated protein kinase 3

Calculated MW:

43 kDa

Observed MW:

38-44 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:250-1:1000

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF : MCF-7 cells,

## Background Information

ERK1 and ERK2 belongs to the protein kinase superfamily. It is involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. ERK1/2 catalized the reaction: ATP + a protein = ADP + a phosphoprotein. It is activated by tyrosine phosphorylation in response to INS and NGF. This antibody can recognize both ERK1 and ERK2 with the molecular mass of 38-44 kDa.

## 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:

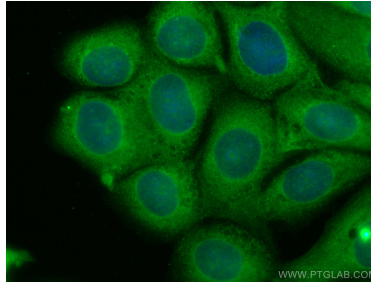
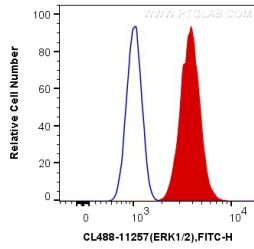
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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human ERK1/2 (CL488-11257) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).

Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 ERK1/2 antibody (CL488-11257) at dilution of 1:500.