For Research Use Only

CoraLite®555-conjugated ERK1/2 Monoclonal antibody

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Antibodies | ELISA kits | Proteins
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Catalog Number:CL555-67170

Basic Information

Catalog Number:
CL555-67170

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2a

GenBank Accession Number:
NM_002746

GeneID (NCBI):
5595

UNIPROT ID:
P27361

Full Name:
mitogen-activated protein kinase 3

Calculated MW:
38-43 kDa

Observed MW:
38-44 kDa

Purification Method:
Protein A purification

CloneNo.:
1A3D3

Excitation/Emission maxima wavelengths:
557 nm / 570nm

Applications

Tested Applications:

Species Specificity:
Human, Mouse, Rat

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

Selected Validation Data