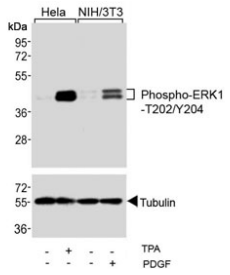
Phospho-ERK1/2 Antibody [p-ERK1/2] (T202/Y204) (F48590)

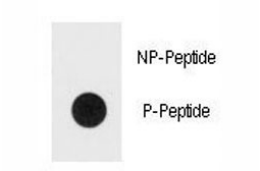
Catalog No.	Formulation	Size
F48590-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F48590-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Drosophila, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P27361
Applications	Dot blot: 1:500 Western blot: 1:1000
Limitations	This phospho-ERK1/2 antibody is available for research use only.



Western blot testing of human HeLa and mouse NIH3T3 cells treated with TPA (200nM) and PDGF (100ng/ml) using phospho-ERK1/2 antibody.



Dot blot analysis of phospho-ERK1/2 antibody. 50ng of Bi-phos-peptide or nonphosrylated peptide per dot were spotted.

Description

MAPK3/ERK1 is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets.

Application Notes

Titration of the phospho-ERK1/2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

This phospho-ERK1/2 antibody was produced from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding pT202/pY204 of human ERK1/2.

Storage

Aliquot the phospho-ERK1/2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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