

Recombinant



Phospho-ERK1 (Thr202/Tyr204) / ERK2 (Thr185/Tyr187) (DGR19964) Rabbit mAb

db14737 Package : 10μL 20μL 50μL 100μL

Product Name: Phospho-ERK1 (Thr202/Tyr204) / ERK2 (Thr185/Tyr187) (DGR19964) Rabbit mAb

Cat.No.: db14737

Synonyms: ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-

MAPK

Application: WB, IP

Reactivity: Human, Mouse, Rat

Host species: Rabbit

Background This gene encodes a member of the MAP kinase family. MAP kinases, also known as extracellular

signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and

are involved in a wide variety of cellular processes such as proliferation, differentiation,

 $transcription\ regulation\ and\ development.\ The\ activation\ of\ this\ kinase\ requires\ its\ phosphory lation$

by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated

cells, where it phosphorylates nuclear targets. One study also suggests that this protein acts as a

transcriptional repressor independent of its kinase activity. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct

functions. Two alternatively spliced transcript variants encoding the same protein, but differing in

the UTRs, have been reported for this gene. [provided by RefSeq, Jan 2014]

Immunogen A synthetic phosphopeptide corresponding to residues surrounding Thr202/Tyr204 of human Erk1

Gene ID 5594

Swiss Prot P28482

Synonyms ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-

MAPK

Reactivity Human, Mouse, Rat

Application WB, IP

Recommended dilution WB: 1:1000-1:5000

IP: 1:50-1:100

Calculated MW 41 kDa

Observed MW 44,42 kDa

Host species Rabbit



For Research Use Only **Product Datasheet**

Clonality Monoclonal

Clonality No. DGR19964

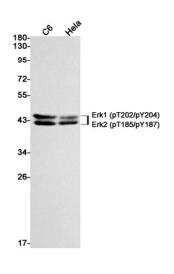
Isotype IgG

Purity Affinity Purification

Conjugation Un-conjugated

Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Erk1 (pT202/pY204)/Erk2 (pT185/pY187) in C6,Hela cell lysates using Erk1 (pT202/pY204)/Erk2 (pT185/pY187) antibody(1:1000 diluted).