

Recombinant

DGRmAb®

Phospho-ERK1/2 (Thr202/Thr185) (DGR11380) Rabbit mAb

db13437

Package : 10µL 20µL 50µL 100µL

Product Name : Phospho-ERK1/2 (Thr202/Thr185) (DGR11380) Rabbit mAb**Cat.No.:** db13437**Synonyms** : ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-MAPK**Application** : WB, IHC-P, ICC/IF, 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 phosphorylation 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 Thr185 of human ERK2

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, IHC-P, ICC/IF, IP

Recommended dilution

WB: 1:1000

IHC-P: 1:100

ICC/IF: 1:200-1:500

IP: 1:20-1:50

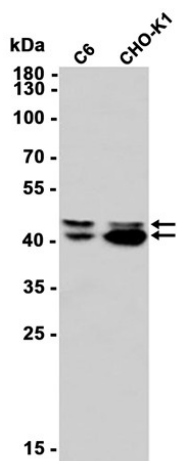
Calculated MW

41 kDa

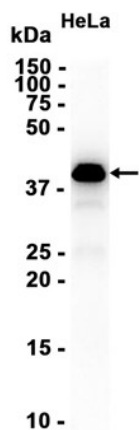
Observed MW

44,42 kDa

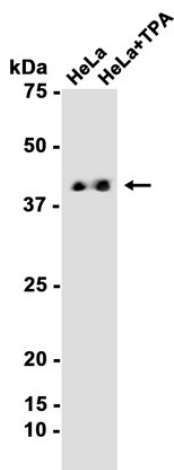
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11380
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from C6, CHO-K1 cells using db13437 at 1:1000.



Western blot analysis of extracts from HeLa cells using db13437 at 1:1000.



Western blot analysis of extracts from HeLa, HeLa+TPA cells using db13437 at 1:1000.

