

**Recombinant****DGRmAb®****Phospho-ERK1/2 (Thr202/Thr185) (DGR11380) Rabbit mAb (PBS Only)****db13437-PBS****Package : 100µg****Product Name :** Phospho-ERK1/2 (Thr202/Thr185) (DGR11380) Rabbit mAb (PBS Only)**Cat.No.:** db13437-PBS**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

**Calculated MW**

41 kDa

**Observed MW**

44,42 kDa

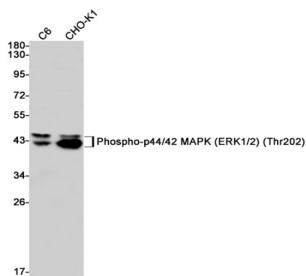
**Host species**

Rabbit

**Clonality**

Monoclonal

<b>Clonality No.</b>	DGR11380
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Concentration</b>	1 mg/ml
<b>Formulation</b>	PBS Only
<b>Storage Stability</b>	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot detection of Phospho-p44/42 MAPK (ERK1/2) (Thr202) in C6,CHO-K1 cell lysates using [db13437](#)(1:1000 diluted).

HeLa

