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

Catalog No: #52094

Package Size: #52094-1 50ul #52094-2 100ul

Signalway Antibody
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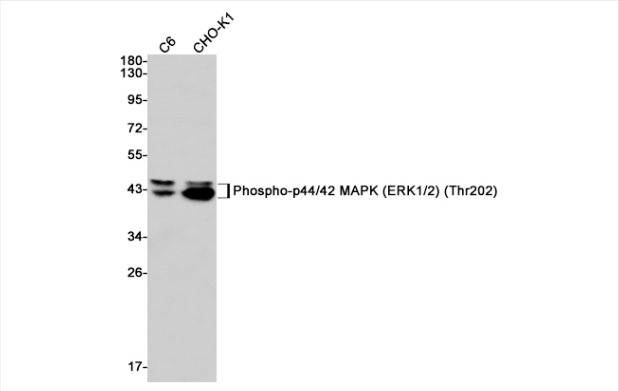
Description

Product Name	ERK1/2 (Phospho-Thr202/Thr185) Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	S05-2H9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human,Mouse,Rat
Immunogen Description	A synthetic phosphopeptide corresponding to residues surrounding Thr185 of human ERK2
Conjugates	Unconjugated
Modification	Phosphorylated
Other Names	ERK1 ERT2 ERK-1 PRKM3 P44ERK1
Accession No.	Swiss-Prot:P27361 P28482GeneID:5594
Calculated MW	Calculated MW: 41 kDa; Observed MW: 44,42 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000;

Images



Western blot detection of Phospho-p44/42 MAPK (ERK1/2) (Thr202) in C6,CHO-K1 cell lysates using Phospho-p44/42 MAPK (ERK1/2) (Thr202) Rabbit mAb(1:1000 diluted).Predicted band size:41kDa.Observed band size:44,42kDa.

Background

Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. MAPK1/ERK2 and MAPK3/ERK1 are the 2 MAPKs which play an important role in the MAPK/ERK cascade. They participate also in a signaling cascade initiated by activated KIT and

KITLG/SCF. Depending on the cellular context, the MAPK/ERK cascade mediates diverse biological functions such as cell growth, adhesion, survival and differentiation through the regulation of transcription, translation, cytoskeletal rearrangements. The MAPK/ERK cascade plays also a role in initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.