

ERK1/2 (4A4) Mouse mAb

db6122

Package : 50µL 100µL

Product Name : ERK1/2 (4A4) Mouse mAb**Cat.No.:** db6122**Synonyms :** ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-MAPK; ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK**Application :** WB**Reactivity :** Human, Mouse, Rat**Host species :** Mouse**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.

Immunogen

Human p44 MAPK (Erk1) synthetic peptide conjugated to KLH

Gene ID

5595, 5594

Swiss Prot

P27361, P28482

Synonyms

ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-MAPK; ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK

Reactivity

Human, Mouse, Rat

Application

WB

Recommended dilution

WB: 1:500-1:1000

Calculated MW

44,42 kDa

Observed MW

42,44 kDa

Host species

Mouse

Clonality

Monoclonal

Clonality No.

4A4-G4-F6

Isotype

IgG1

Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.
□	Western blot analysis of ERK1/2 (4A4) in EGFtreated A549 , PDGFtreated 3T3 and TPAtreated 3T3 lysates using ERK1/2 (4A4) antibody.