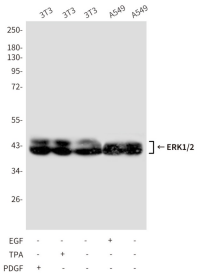
ERK1/2 (4A4) Mouse mAb

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.