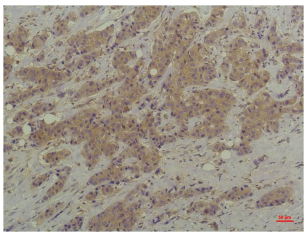
ERK1/2 (9A4) Mouse mAb

db6621 **Package : 50μL 100μL**

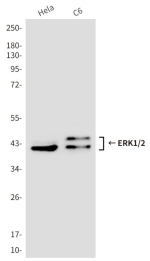
Product Name : ERK1/2 (9A4) Mouse mAb
Cat.No.: db6621
Synonyms : MAPK3; ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; MAPK1; ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-MAPK
Application : WB, IHC-P
Reactivity : Human, Rat, Mouse
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	Synthetic peptide conjugated to KLH
Gene ID	5594, 5595
Swiss Prot	P27361, P28482
Synonyms	MAPK3; ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; MAPK1; ERK; p38; p40; p41; ERK2; ERT1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-MAPK
Reactivity	Human, Rat, Mouse
Application	WB, IHC-P
Recommended dilution	WB: 1:500-1:1000 IHC: 1:50-1:100
Calculated MW	44,42 kDa
Observed MW	44,42 kDa
Host species	Mouse
Clonality	Monoclonal
Clonality No.	9A4-2D4-7A3

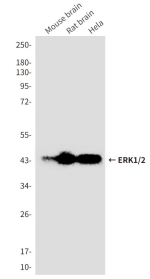
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma using ERK1/2 (9A4) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western blot analysis of ERK1/2 (9A4) in Hela, C6 lysates using ERK1/2 (9A4) antibody



Western blot analysis of ERK1/2 (9A4) in mouse brain, rat brain , Hela lysates using ERK1/2 (9A4) antibody