

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 dilutionWB: 1:500-1:1000
IHC: 1:50-1:100**Calculated MW**

44,42 kDa

Observed MW

44,42 kDa

Host species

Mouse

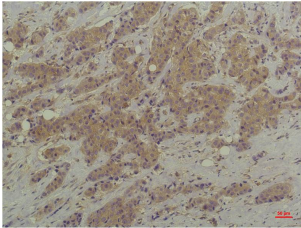
Clonality

Monoclonal

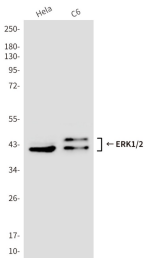
Clonality No.

9A4-2D4-7A3

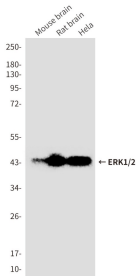
Isotype	IgG1
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in PBS, 50% Glycerol(pH 7.3), 0.02% sodium azide and 0.5% BSA . Stable for 12 months from date of receipt.



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