

## ERK1/2 RABBIT MAB

**Cat.#:** N261622

**Product Name:** Anti-ERK1/2 Rabbit Monoclonal Antibody

**Synonyms:** MAPK3; ERK1; ERK2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; MAPK1; ERK; p38; p40; p41; ERK2; ERK1; ERK-2; MAPK2; PRKM1; PRKM2; P42MAPK; p41mapk; p42-MAPK.

**UNIPROT ID:** P27361/P28482

**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:** Recombinant protein of human ERK2

**Applications:** WB, ICC/IF, IP

**Recommended Dilutions:** WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R02-5C8

**MW:** Calculated MW: 44,42 kDa; Observed MW: 44,42 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human, Mouse, Rat

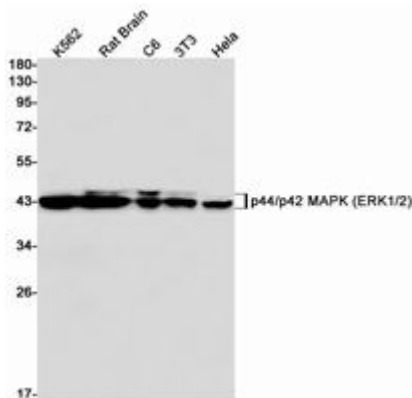
**Conjugation:** Unconjugated

**Modification:** Unmodified

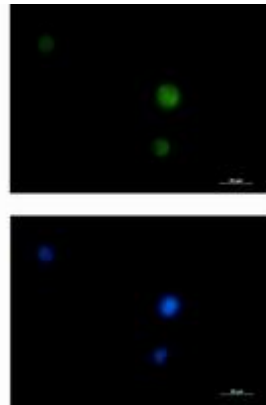
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Neuroscience, Prion disease

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of p42 MAPK (ERK2) in K562, rat Brain, C6, 3T3, HeLa lysates using p42 MAPK (ERK2) antibody.



Immunocytochemistry analysis of ERK1/2 (green) in K562 using ERK1/2 antibody, and DAPI (blue).