

ERK 5 rabbit pAb

Cat No.:ES20759

For research use only

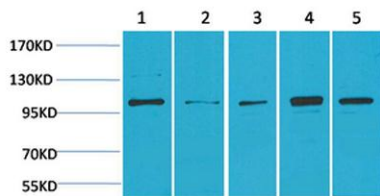
Overview

Product Name	ERK 5 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	WB: 1:1000-2000 IHC:1:200-500
Immunogen	Recombinant Protein of ERK 5
Specificity	The antibody detects endogenous ERK 5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Mitogen-activated protein kinase 7
Gene Name	MAPK7,ERK5
Cellular localization	Cytoplasm. Nucleus. Nucleus, PML body. Translocates to the nucleus upon activation.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	
Observed band	89-115kD
Human Gene ID	5598
Human Swiss-Prot Number	Q13164
Alternative Names	MAPK7; BMK1; ERK5; PRKM7; Mitogen-activated protein kinase 7; MAP kinase 7; MAPK 7; Big MAP kinase 1; BMK-1; Extracellular signal-regulated kinase 5; ERK-5
Background	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is specifically activated by mitogen-activated



protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracellular signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported. [provided by RefSeq, Jul 2008],

Western blot analysis of 1) HeLa, 2) 293T, 3) Mouse Skeletal Muscle, 4) Rat Kidney, 5) Rat Skeletal Muscle using ERK 5 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human Breast carcinoma using ERK 5 Polyclonal Antibody.

