Datasheet for ABIN5688926

anti-ERK1/2 antibody (pThr202, pTyr204)

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Overview

Quantity:	0.1 mL
Target:	ERK1/2 (MAPK1/3)
Binding Specificity:	pThr202, pTyr204
Reactivity:	Human, Mouse, Rat, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	ERK/MAPK (Thr202/Tyr204) polyclonal antibody was raised against a synthetic phosphopeptide corresponding to amino acids residues surrounding the phospho-Thr202 and Tyr204 of ERK/MAPK.
Specificity:	ERK1/2 antibody is specific for the 42/44 k ERK/MAPK protein phosphorylated at Thr202 and Tyr204..
Purification:	Affinity Purified

Target Details

Target:	ERK1/2 (MAPK1/3)
Alternative Name:	ERK1 / 2 (MAPK1/3 Products)
Background:	Extracellular-Signal Regulated Kinase/Mitogen-Activated Protein Kinase (ERK/MAPK) is an

Target Details

	integral component of cellular signaling during mitogenesis and differentiation of mitotic cells and also is thought to play a key role in learning and memory. The activity of this kinase is regulated by dual phosphorylation at Thr202 and Tyr204.
Molecular Weight:	42/44 kDa
Gene ID:	116590
UniProt:	P63086

Application Details

Application Notes:	Immunolabeling in UV treated Jurkat Cells or in a rat brain lysate is blocked by the Thr202/Tyr204 phosphopeptide used as antigen but not by the corresponding dephosphopeptide. Applications include Dot Blots (DB) and Western Blots (WB). Human, mouse, rat and Xenopus have 100 % amino acid sequence identity with the antigen used to raise the antibody. Dot blots and Western blots with a rat brain lysate were performed with each lot. When internally tested under ideal conditions the working dilutions were 1:1000 for DB and WB.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	100 µLin 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50 % glycerol.
Storage:	-20 °C
Storage Comment:	For long term storage -80°C is recommended, but shorter term storage at -20°C is also acceptable as aliquots may be taken without freeze/thawing due to the presence of 50% glycerol. Stock solutions are stable for a minimum of 1 year at -20°C.