

ERK1/2 Antibody | anti-ERK1/2 antibody

ERK1/2 (Phospho-Thr202/Tyr204) Antibody

CATALOG # AAA110958	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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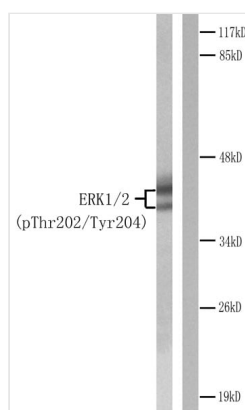
PRODUCT SYNONYMS

ERK1/2; ERK1/2 (Phospho-Thr202/Tyr204) Antibody; anti-ERK1/2 antibody

PRODUCT SPECIFICATIONS

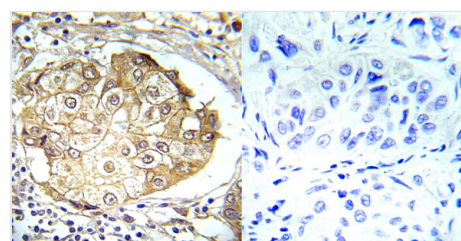
Reactivity	Human, Mouse, Rat
Specificity	ERK1/2 (phospho-Thr202/Tyr204) antibody detects endogenous levels of ERK1/2 only when phosphorylated at Thr202/Tyr204.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	357
Applicable Applications for anti-ERK1/2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human ERK1/2 around the phosphorylation site of Thr202/Tyr204 (F-L-TP-E-YP-V-A).
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells treated with PMA. Left: Using ERK1/2 (phospho-Thr202/Tyr204) antibody. Right: Using the same antibody preincubated with synthesized peptide.



IHC (Immunohistochemistry)

P-Peptide+ Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using ERK1/2 (phospho-Thr202/Tyr204).

ADDITIONAL INFORMATION

Product Categories/Family for anti-ERK1/2 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Marais, R. et al. (1993) Cell 73, 381-93. Dalby, K.N. et al. (1998) J Biol Chem 273, 1496-505. Owens, D.M. and Keyse, S.M. (2007) Oncogene 26, 3203-13. Roberts, P.J. and Der, C.J. (2007) Oncogene 26, 3291-310. Pagès G (2007) J Cell Physiol 213, 454-63 Basbous J, et al. (2007) Mol Cell Biol 27, 3936-50.

NCBI AND UNIPROT INFORMATION

NCBI GI #	91718897
NCBI GeneID	5595
NCBI Accession #	NP_001035145.1
NCBI GenBank Nucleotide #	NM_001040056.2
UniProt Accession #	P27361; Q8NHX1; A8CZ58; B0LPG3
Molecular Weight	40,088 Da
NCBI Official Full Name	mitogen-activated protein kinase 3 isoform 2
NCBI Official Synonym Full Names	mitogen-activated protein kinase 3
NCBI Official Symbol	MAPK3
NCBI Official Synonym Symbols	ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK
NCBI Protein Information	mitogen-activated protein kinase 3
UniProt Protein Name	Mitogen-activated protein kinase 3
UniProt Gene Name	MAPK3
UniProt Synonym Gene Names	ERK1; PRKM3; MAP kinase 3; MAPK 3; ERK-1; p44-MAPK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.