

Rabbit p44/42 MAP Kinase Polyclonal Antibody | anti-p44/42 MAP antibody

p44/42 MAP Kinase (Phospho-Tyr204) Antibody

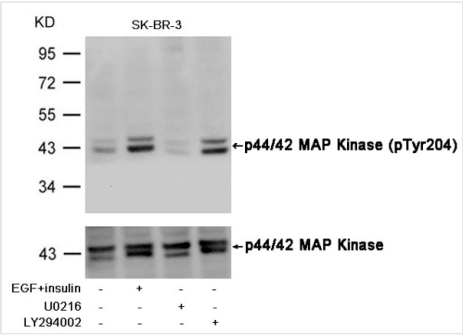
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305664	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

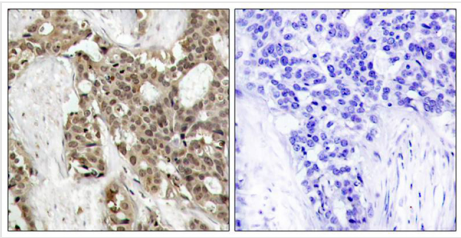
p44/42 MAP Kinase; Polyclonal Antibody; p44/42 MAP Kinase (Phospho-Tyr204) Antibody; ERK1; ERT2; ERK-1; PRKM3; P44ERK1; anti-p44/42 MAP antibody

PRODUCT SPECIFICATIONS

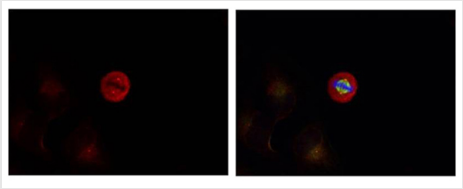
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of p44/42 MAP Kinase only when phosphorylated at tyrosine 204.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	357
Applicable Applications for anti-p44/42 MAP antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 204 (T-E-Y(p)-V-A) derived from Human p44/42 MAP Kinase.
Modification	Phospho-Tyr204
Target Name	p44/42 MAP Kinase
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.



WB (Western Blot)
Western blot analysis of extracts from SK-BR-3 cells, treated with insulin and EGF, and pretreated with U0216 and LY294002 cells using p44/42 MAP Kinase (Phospho-Tyr204) Antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using p44/42 MAP Kinase (Phospho-Tyr204) Antibody (left) or the same antibody preincubated with blocking peptide #51246 (right).



IF (Immunofluorescence)
Immunofluorescence staining of methanol-fixed HeLa cells showing centrosome and nuclear staining using p44/42 MAP Kinase (Phospho-Tyr204) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-p44/42 MAP antibody	Involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. Phosphorylates EIF4EBP1; required for initiation of translation. Phosphorylates microtubule-associated protein 2 (MAP2). Phosphorylates SPZ1
Product Categories/Family for anti-p44/42 MAP antibody	Phospho-specific Ab

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
UniProt Entry Name	MK03_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/p44-42-map-kinase-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/305664>