

Rabbit ERK1/2 Monoclonal Antibody | anti-ERK1/2 antibody

Phospho-ERK1/2 (Thr202, Tyr204) Antibody, Rabbit Mab

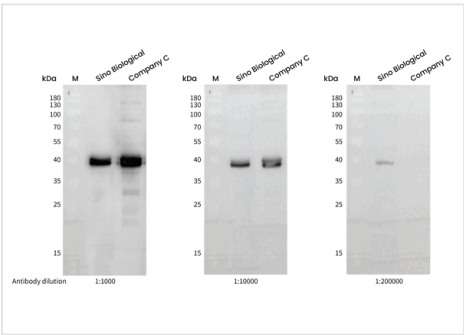
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258876	Rabbit	Human, Mouse, Rat	Western Blot

PRODUCT SYNONYMS

ERK1/2; Monoclonal Antibody; Phospho-ERK1/2 (Thr202; Tyr204) Antibody; Rabbit Mab; mitogen-activated protein kinase 3; Anti-ERK-1 Antibody; Anti-ERK1 Antibody; Anti-ERT2 Antibody; Anti-HS44KDAP Antibody; Anti-HUMKER1A Antibody; Anti-p44-ERK1 Antibody; Anti-p44-MAPK Antibody; Anti-P44ERK1 Antibody; Anti-P44MAPK Antibody; Anti-PRKM3 Antibody; anti-ERK1/2 antibody

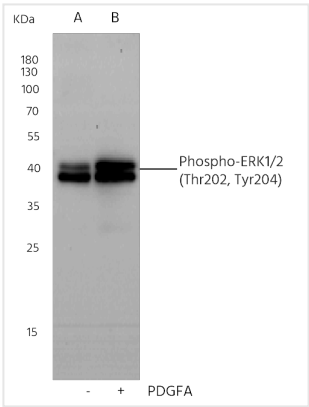
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	#007
Specificity	Human Phospho-ERK1/2 (Thr202, Tyr204)
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ERK1/2 antibody	WB (Western Blot)
Immunogen	A synthetic phosphopeptide corresponding to residues around Thr202, Tyr204 of Human Phospho-ERK1/2.
Preparation	This antibody was obtained from a rabbit immunized with a synthetic phosphopeptide corresponding to residues around Thr202, Tyr204 of Human Phospho-ERK1/2.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



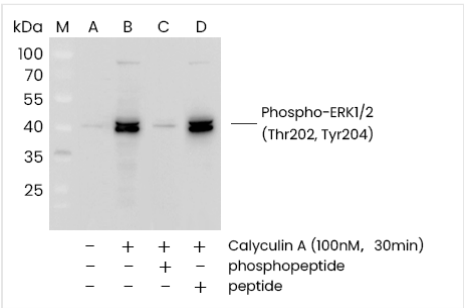
WB (Western Blot)

Western blot analysis of extracts from serum-starved HeLa, treated with Calyculin A (100 nM, 30 min), using Phospho-p44/42 MAPK (ERK1/2) (Thr202, Tyr204) rabbit monoclonal Antibody (#AAA258876) and other brands' antibodies (company C) at dilution of 1:1000, 1:10000 and 1:200000.



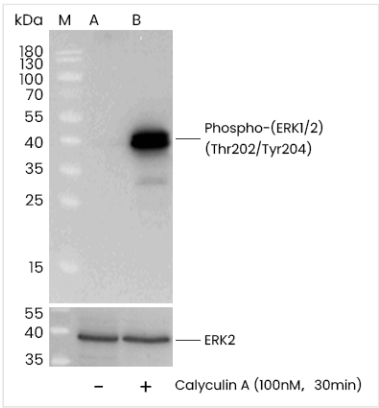
WB (Western Blot)

Western blot analysis of 15 ug extracts from serum-starved NIH-3T3, untreated (-); treated with PDGFA (5 ug/mL, 5 min; +), using Phospho-ERK1/2 (Thr202, Tyr204) Antibody, Rabbit MAb (#AAA258876) at 1:1000 dilution.



WB (Western Blot)

Western blot analysis of extracts from serum-starved HeLa, untreated (line A); treated with Calyculin A (100 nM, 30 min), without peptide (line B) or antigen-specific phosphopeptide (line C) or antigen-specific peptide (line D) using Phospho-p44/42 MAPK (ERK1/2) (Thr202, Tyr204) rabbit monoclonal Antibody (#AAA258876) at 1:1000 dilution.



WB (Western Blot)

Western blot analysis of extracts from serum-starved HeLa, untreated (-) or treated with Calyculin A (100 nM, 30 min; +), using Phospho-p44/42 MAPK (ERK1/2) (Thr202, Tyr204) rabbit monoclonal Antibody (#AAA258876) (upper), or Anti-ERK2 rabbit polyclonal antibody at 1:1000 dilution (lower).

ADDITIONAL INFORMATION

Related Product Information for anti-ERK1/2 antibody	MAPK3 (Mitogen-Activated Protein Kinase 3, also known as ERK1) is a Protein Coding gene. The protein encoded by the ERK1 gene is a member of the MAP kinase family. 3 alternatively spliced human isoforms have been reported. The protein is a 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 that play an important role in the MAPK/ERK cascade. They participate also in a signaling cascade initiated by activated KIT and KITLG/SCF. ERK1 is widely expressed in the small intestine, colon, and other tissues. Diseases associated with MAPK3 include Neutrophil Migration and Pertussis.
References	Kolb RH, Greer PM, Cao PT, Cowan KH, Yan Y. ERK1/2 Signaling Plays an Important Role in Topoisomerase II Poison-Induced G2/M Checkpoint Activation. Tan M, ed. PLoS ONE. 2012;7(11):e50281.

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/monoclonal/erk1-2-antibody-clone-007-western-blot-elisa/258876>