

Rabbit anti-Human ERK1/MAPK3 Polyclonal Antibody | anti-MAPK3 antibody

Anti-ERK1/MAPK3 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256167	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ERK1/MAPK3; Polyclonal Antibody; Anti-ERK1/MAPK3 Antibody; Rabbit Polyclonal; ERK1/MAPK3 Antibody; Rabbit PAb; Antigen Affinity Purified; 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-MAPK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ERK1/MAPK3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-MAPK3 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human ERK1/MAPK3 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human ERK1/MAPK3 fragment, and purified by antigen affinity chromatography.
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. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

MAPK3 was immunoprecipitated using: Lane A: 0.5 mg Jurkat Whole Cell Lysate 4 uL anti-MAPK3 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-MAPK3 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 44 kDa. Observed band size: 47 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human MAPK3 in human skeletal muscle with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-MAPK3 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell Lysate Lane B: Jurkat Whole Cell Lysate Lane C: HEK293 Whole Cell Lysate Lane D: K562 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 44 kDa Observed band size: 44 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK3 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.
Product Categories/Family for anti-MAPK3 antibody	Cancer Drug Targets ; EGFR Signaling Pathway
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/polyclonal/erk1-mapk3-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/256167>