

Mouse ERK2 Monoclonal Antibody | anti-ERK2 antibody

ERK2 antibody

CATALOG # AAA74850	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, ELISA
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PRODUCT SYNONYMS

ERK2; Monoclonal Antibody; ERK2 antibody; Monoclonal ERK2; Anti-ERK2; MAPK2; PRKM1; ERK-2; ERK 2; MAPK 2; p38; P42MAPK; p41mapk; Mitogen-activated protein kinase 1 MAP kinase 2; ERT1; p40; PRKM2; p41; anti-ERK2 antibody

PRODUCT SPECIFICATIONS

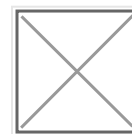
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	4C11
Form/Format	Purified antibody supplied in PBS containing 0.03% sodium azide.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	292
Applicable Applications for anti-ERK2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA
Biological Significance	MAPK1 acts as an integration point for multiple biochemical signals, and is involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. Recombinant human MAPK1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Cross-Reactivity	Human, Mouse, Monkey
Immunogen	ERK2 antibody was raised in Mouse using a purified recombinant fragment of human ERK2 expressed in E Coli as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma (left) and breast carcinoma (right) showing cytoplasmic localization using ERK2 antibody with DAB staining.



WB (Western Blot)

Western Blot showing ERK2 antibody used against Hela (1), NIH/3T3 (2), MCF-7 (3), HEK293 (4), Jurkat (5), A549 (6), NTERA-2 (7) and SMMC-7721 (8) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-ERK2 antibody	Mouse monoclonal ERK2 antibody
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Product Categories/Family for anti-
ERK2 antibody

Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	381289237
Molecular Weight	34,060 Da
NCBI Official Full Name	erk2, partial
UniProt Protein Name	Mitogen-activated protein kinase
UniProt Gene Name	erk2
UniProt Entry Name	H9TKZ1_CAPHI

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/erk2-antibody-clone-4c11-western-blot-immunohistochemistry-immunofluorescence-elisa/74850>