

Rabbit MAPK7 Polyclonal Antibody | anti-MAPK7 antibody

MAPK7 Antibody BIOTIN

CATALOG # AAA226366	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunoprecipitation, ELISA
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PRODUCT SYNONYMS

MAPK7; Polyclonal Antibody; MAPK7 Antibody BIOTIN; BIOTIN-Conjugated Mitogen-activated protein kinase 7 Antibody; Big MAP kinase 1 antibody; BMK 1 kinase antibody; ERK 5 antibody; Extracellular signal regulated kinase 5 antibody; MAP kinase 7 antibody; Mitogen-activated protein kinase 7 antibody; PRKM 7 antibody; PROTEIN KINASE; MITOGEN-ACTIVATED; 7 antibody; anti-MAPK7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Sequence Length	816
Applicable Applications for anti-MAPK7 antibody	WB (Western Blot), IP (Immunoprecipitation), ELISA
Immunogen	Synthetic peptide taken within amino acid region 700-750 on human Mitogen-activated protein kinase 7.
Conjugation	BIOTIN
Molecular Function	Kinase; Serine/threonine-protein kinase; Transferase
Subcellular Location	Cytoplasm; Nucleus; PML body
Preparation and Storage	Store at -20 degree C for long term storage.

ADDITIONAL INFORMATION

Related Product Information for anti-MAPK7 antibody	Overview: Plays a role in various cellular processes such as proliferation, differentiation and cell survival. The upstream activator of MAPK7 is the MAPK kinase MAP2K5. Upon activation, it translocates to the nucleus and phosphorylates various downstream targets including MEF2C. EGF activates MAPK7 through a Ras-independent and MAP2K5-dependent pathway. May have a role in muscle cell differentiation. May be important for endothelial function and maintenance of blood vessel integrity. MAP2K5 and MAPK7 interact specifically with one another and not with MEK1/ERK1 or MEK2/ERK2 pathways. Phosphorylates SGK1 at Ser-78 and this is required for growth factor-induced cell cycle progression. Involved in the regulation of p53/TP53 by disrupting the PML-MDM2 interaction. Structure: The second proline-rich region may interact with actin targeting the kinase to a specific location in the cell. The TXY motif contains the threonine and tyrosine residues whose phosphorylation activates the MAP kinases. Expression: Expressed in many adult tissues. Abundant in heart, placenta, lung, kidney and skeletal muscle. Not detectable in liver.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20986497
NCBI GeneID	5598

NCBI Accession #	NP_002740.2
NCBI GenBank Nucleotide #	NM_002749.3
UniProt Accession #	Q13164 ; Q16634 ; Q59F50 ; Q6QLU7 ; Q7L4P4 ; Q969G1 ; Q96G51
NCBI Official Full Name	mitogen-activated protein kinase 7 isoform 1
NCBI Official Synonym Full Names	mitogen-activated protein kinase 7
NCBI Official Symbol	MAPK7
NCBI Official Synonym Symbols	BMK1; ERK4; ERK5; PRKM7
NCBI Protein Information	mitogen-activated protein kinase 7
UniProt Protein Name	Mitogen-activated protein kinase 7
UniProt Gene Name	MAPK7
UniProt Synonym Gene Names	BMK1; ERK5; PRKM7; MAP kinase 7; MAPK 7; BMK-1; ERK-5

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://www.aaabiotech.com/polyclonal/mapk7-antibody-western-blot-immunoprecipitation-elisa/226366>