

Rabbit anti-Human, Mouse DAPK1 Polyclonal Antibody | anti-DAPK1 antibody

DAPK1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA294646	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot

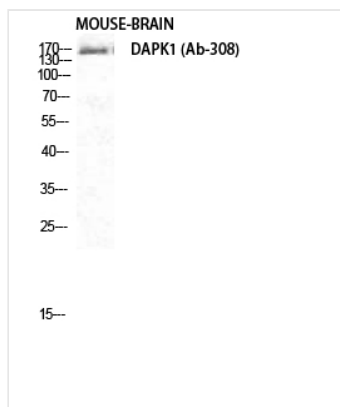
PRODUCT SYNONYMS

DAPK1; Polyclonal Antibody; DAPK1 Polyclonal Antibody; DAPK; Death-associated protein kinase 1; DAP kinase 1; anti-DAPK1 antibody

PRODUCT SPECIFICATIONS

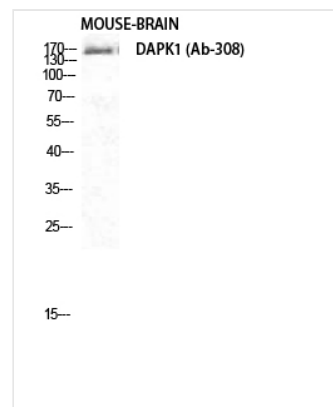
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Applicable Applications for anti-DAPK1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Dilution: Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.



IHC (Immunohistochemistry)

Dilution: Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.

ADDITIONAL INFORMATION

Related Product Information for anti-DAPK1 antibody	Calcium/calmodulin-dependent serine/threonine kinase involved in multiple cellular signaling pathways that trigger cell survival, apoptosis, and autophagy. Regulates both type I apoptotic and type II autophagic cell deaths signal, depending on the cellular setting. The former is caspase-dependent, while the latter is caspase-independent and is characterized by the accumulation of autophagic vesicles. Phosphorylates PIN1 resulting in inhibition of its catalytic activity, nuclear localization, and cellular function. Phosphorylates TPM1, enhancing stress fiber formation in endothelial cells. Phosphorylates STX1A and significantly decreases its binding to STXBP1. Phosphorylates PRKD1 and regulates JNK signaling by binding and activating PRKD1 under oxidative stress. Phosphorylates BECN1, reducing its interaction with BCL2 and BCL2L1 and promoting the induction of autophagy. Phosphorylates TSC2, disrupting the TSC1-TSC2 complex and stimulating mTORC1 activity in a growth factor-dependent pathway. Phosphorylates RPS6, MYL9 and DAPK3. Acts as a signaling amplifier of NMDA receptors at extrasynaptic sites for mediating brain damage in stroke. Cerebral ischemia recruits DAPK1 into the NMDA receptor complex and it phosphorylates GRINB at Ser-1303 inducing injurious Ca (2+) influx through NMDA receptor channels, resulting in an irreversible neuronal death. Required together with DAPK3 for phosphorylation of RPL13A upon interferon-gamma activation which is causing RPL13A involvement in transcript- selective translation inhibition.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	89363047
NCBI GeneID	1612
NCBI Accession #	NP_004929.2
NCBI GenBank Nucleotide #	NM_004938.2
UniProt Accession #	P53355; Q14CQ7; Q1W5W0; Q68CP8; Q6ZRZ3; Q9BTL8; B7ZLD2
Molecular Weight	1430
NCBI Official Full Name	death-associated protein kinase 1
NCBI Official Synonym Full Names	death-associated protein kinase 1
NCBI Official Symbol	DAPK1
NCBI Official Synonym Symbols	DAPK
NCBI Protein Information	death-associated protein kinase 1; DAP kinase 1
UniProt Protein Name	Death-associated protein kinase 1
UniProt Gene Name	DAPK1
UniProt Synonym Gene Names	DAPK; DAP kinase 1
UniProt Entry Name	DAPK1_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/dapk1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/294646>