

产品名称: hDAPK1-T1316 Mouse Monoclonal Antibody
产品货号: AMM86130



产品概述 (Summary)

产品名称 (Production Name)	hDAPK1-T1316 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB
种属反应性 (Reactivity)	Human, Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2a
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	hDAPK1-T1316
别名 (Alternative Names)	Death-associated protein kinase 1, DAP kinase 1, 2.7.11.1, DAPK1, DAPK
基因 ID (Gene ID)	1612.0
蛋白 ID (SwissProt ID)	P53355. This antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between amino acids from human.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:2000-1:4000
蛋白分子量 (Molecular Weight)	160.0kDa

研究背景 (Background)

Calcium/calmodulin-dependent serine/threonine kinase involved in multiple cellular signaling pathways that trigger cell

产品名称: hDAPK1-T1316 Mouse Monoclonal Antibody
产品货号: AMM86130

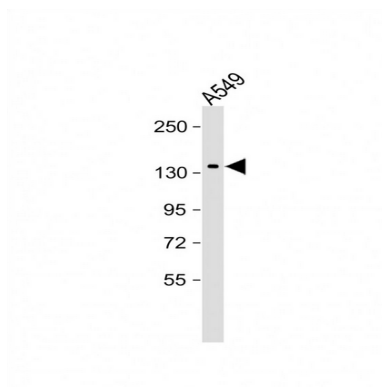


survival, apoptosis, and autophagy. Regulates both type I apoptotic and type II autophagic cell deaths signal, depending on the cellular setting. The former is caspase-dependent, while the latter is caspase-independent and is characterized by the accumulation of autophagic vesicles. Phosphorylates PIN1 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.

研究领域 (Research Area)

Apoptosis

图片 (Image Data)



Anti-DAPK1 Antibody T1316 at 1:4000 dilution + A549 whole cell lysate

注意事项 (Note)

For research use only .