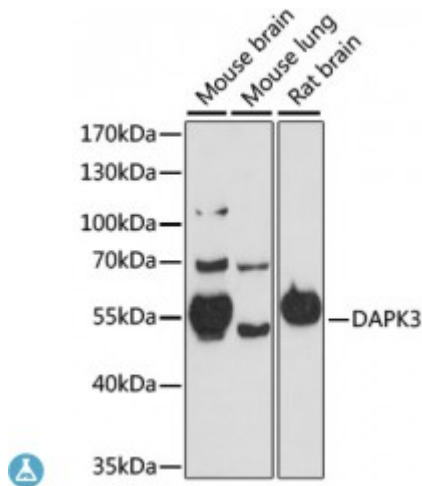


Anti-DAPK3 Antibody



Description

Death-associated protein kinase 3 (DAPK3) induces morphological changes in apoptosis when overexpressed in mammalian cells. These results suggest that DAPK3 may play a role in the induction of apoptosis.

Model	STJ117241
Host	Rabbit
Reactivity	Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human DAPK3 (NP_001339.1).
Gene ID	1613
Gene Symbol	DAPK3
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed, Isoform 1 and isoform 2 are expressed in the bladder smooth muscle
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Death-associated protein kinase 3 DAP kinase 3
Molecular Weight	52.536 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2676OMIM:603289Reactome:R-HSA-418889
Alternative Names	Death-associated protein kinase 3 DAP kinase 3
Function	Serine/threonine kinase which is involved in the regulation of apoptosis, autophagy, transcription, translation and actin cytoskeleton reorganization, Involved in the regulation of smooth muscle contraction, Regulates both type I (caspase-dependent) apoptotic and type II (caspase-independent) autophagic cell deaths signal, depending on the cellular setting, Involved in regulation of starvation-induced autophagy, Regulates myosin phosphorylation in both smooth muscle and non-muscle cells, In smooth muscle, regulates myosin either directly by phosphorylating MYL12B and MYL9 or through inhibition of smooth muscle myosin phosphatase (SMPP1M) via phosphorylation of PPP1R12A
Cellular Localization	Nucleus
Post-translational Modifications	The phosphorylation status is critical for kinase activity, oligomerization and intracellular localization, Phosphorylation at Thr-180, Thr-225 and Thr-265 is essential for activity, The phosphorylated form is localized in the cytoplasm promoted by phosphorylation at Thr-299