

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human DAPK3 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human DAPK3 Arg347-Arg454 Accession # O43293
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

DAPK3 (Death-associated protein kinase 3; also known as ZIP kinase and DLK) is a 52 kDa member of the CAMK Ser/Thr kinase family, protein kinase superfamily of enzymes. In general, mouse DAPK3 is nuclear while human DAPK3 is cytosolic. DAPK3 is found in smooth muscle where it phosphorylates the regulatory light chain of myosin and stabilizes thick filament formation. Human DAPK3 is 454 amino acids (aa) in length and contains one protein kinase domain (aa 134-275) and a C-terminal Leu-zipper motif (aa 427-441) that mediates homo- and hetero-dimerization. There is one 35 kDa alternate splice form that shows a 10 aa substitution for aa 313-454. This form has both a nuclear and cytosolic localization.

PRODUCT SPECIFIC NOTICES

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