

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human MLK2 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human MLK2 His345-Arg495 Accession # Q02779
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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

MLK2 (mixed lineage kinase 2; also MST and MAP3K10) is a member of the STE Ser/Thr kinase family of enzymes. It is expressed in neurons, lymphoid tissue, and skeletal muscle, where it participates in apoptosis. Human MLK2 is 954 amino acids (aa) in length. It contains an N-terminal SH3 domain (aa 23-76), followed by a kinase domain that likely acts to phosphorylate Ser/Thr (aa 99-355), two Leu-zipper segments that mediate homodimerization (aa 384-419) and a C-terminal Ser/Thr/Pro-rich region that undergoes phosphorylation at multiple sites (aa 497-954). There is one splice variant that shows an in-frame 16 aa substitution for the 16 aa between aa 465-480.

PRODUCT SPECIFIC NOTICES

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