

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DEK in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 715524
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293EBNA-derived recombinant human DEK Ser2-Ser375 Accession # P35659
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.
Immunohistochemistry	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

The DEK oncogene is an approximately 45 kDa phosphoprotein with pleiotropic activities. It is a chromatin remodeling factor, a transcriptional coactivator and corepressor, a component of RNA spliceosomes, and a promoter of DNA repair during apoptosis. DEK is upregulated in many cancers and promotes epithelial cell transformation. It functions as a proinflammatory factor when secreted by activated macrophages. It is an autoantigen in juvenile arthritis and lupus and a target of chromosomal translocation with the CAN gene in acute myelogenous leukemia. DEK contains one SAP domain (aa 149-183), one nuclear localization sequence (aa 205-221), and a DNA-binding C-terminal domain (aa 321-375). Within aa 292-375, human DEK shares 95% aa sequence identity with mouse and rat DEK.

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