



[Go to Product page](#)

Datasheet for ABIN968269

anti-DEK antibody (AA 19-169)

4 Images

3 Publications

Overview

Quantity:	50 µg
Target:	DEK
Binding Specificity:	AA 19-169
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DEK antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Human DEK aa. 19-169
Clone:	2-DEK
Isotype:	IgG1
Characteristics:	<ol style="list-style-type: none">1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.2. Please refer to us for technical protocols.3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target: DEK

Alternative Name: DEK ([DEK Products](#))

Background: The (6,9) chromosomal translocation is associated with acute myelogenous leukemia (AML) and fuses the dek and can genes. This results in expression of the oncogenic DEK-CAN fusion protein, consisting of the N-terminal two-thirds of DEK and the C-terminal two-thirds of CAN. Although, on its own, DEK exhibits anti-oncogenic properties, the DEK-CAN chimera appears to be oncogenic. DEK is a nuclear protein with a calculated molecular weight of 42-43 kD, that can be observable at 50 kD, and reportedly exhibits no substantial homology to any known protein sequences. Although it contains 42% charged amino acids and multiple acidic sequences, specific structural features have yet to be identified. In addition to its involvement in AML, DEK is associated with several disease states, such as juvenile rheumatoid arthritis where it is an autoantigen. Efforts to define the cellular function of DEK led to its identification as the pets factor. The peri-ets (pets) site is a TG-rich element between the two Elf-1 binding sites of the HIV-2 enhancer. The pets site mediates transcriptional activation in response to T cell stimulation. Thus, DEK is a site-specific DNA binding protein that functions in transcriptional regulation and signal transduction. This antibody is routinely tested by western blot analysis.

Molecular Weight: 50 kDa

Application Details

Comment: Related Products: [ABIN968537](#), [ABIN967389](#)

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 250 µg/mL

Buffer: Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store undiluted at -20° C.

Publications

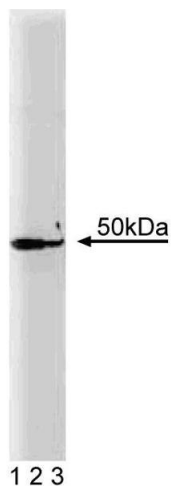
Product cited in:

Fu, Grosveld, Markovitz: "DEK, an autoantigen involved in a chromosomal translocation in acute myelogenous leukemia, binds to the HIV-2 enhancer." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 94, Issue 5, pp. 1811-5, (1997) ([PubMed](#)).

Fu, Markovitz: "Purification of the p63 factor. A nuclear protein that binds to the inducible TG-rich element of the human immunodeficiency virus type 2 enhancer." in: **The Journal of biological chemistry**, Vol. 271, Issue 32, pp. 19599-605, (1996) ([PubMed](#)).

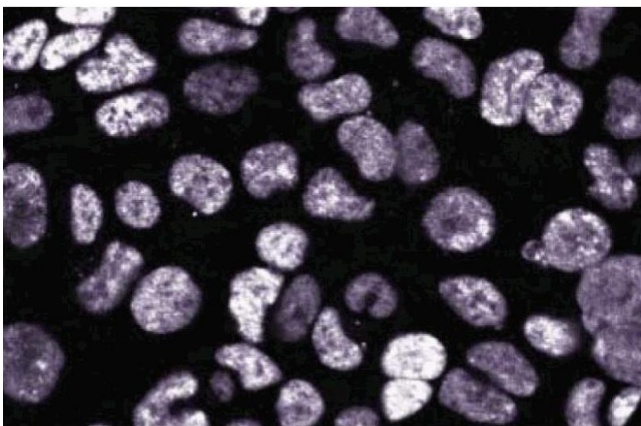
von Lindern, Fornerod, van Baal, Jaegle, de Wit, Buijs, Grosveld et al.: "The translocation (6;9), associated with a specific subtype of acute myeloid leukemia, results in the fusion of two genes, dek and can, and the expression of a chimeric, leukemia-specific dek-can ..." in: **Molecular and cellular biology**, Vol. 12, Issue 4, pp. 1687-97, (1992) ([PubMed](#)).

Images



Western Blotting

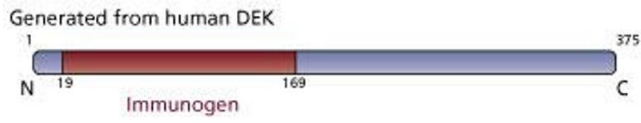
Image 1. Western blot analysis of DEK on a Jurkat cell lysate. 1:500 (lane 1), 1:1000 (lane 2), 1:2000 (lane 3) dilution of the anti-human DEK antibody.



Immunofluorescence

Image 2. Immunofluorescence staining on 293 cells.

Image 3.



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN968269.