

## Product datasheet

# Anti-DEK antibody ab22826

1 References 4 Images

### Overview

<b>Product name</b>	Anti-DEK antibody
<b>Description</b>	Rabbit polyclonal to DEK
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ELISA, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat
<b>Immunogen</b>	A 14-22 amino acid region within synthetic peptide: APAAEGEGTP TQPASEKEPE MPGPREESEE EEDEDDEEEEE EEEKEKSLV EGKRE, corresponding to N terminal amino acids 5-59 of Human DEK <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	HepG2 cell lysate, hepatocytes and spleen cells.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab22826** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

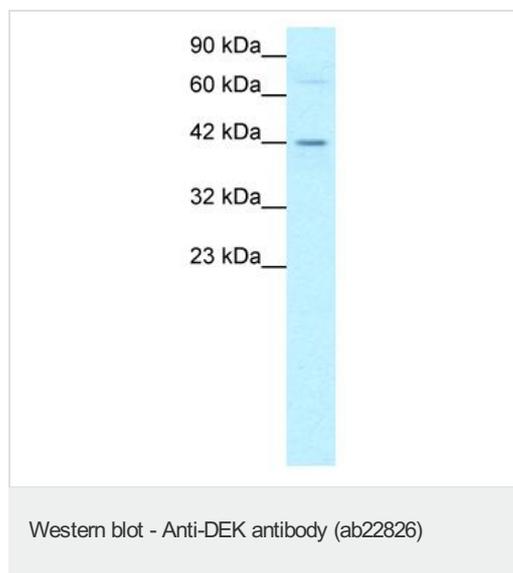
Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 42 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
ELISA		1/62500.
ICC/IF		Use a concentration of 1 µg/ml.

## Target

<b>Function</b>	Involved in chromatin organization.
<b>Tissue specificity</b>	Ubiquitous. Expressed at relatively high levels.
<b>Involvement in disease</b>	A chromosomal aberration involving DEK is found in a subset of acute myeloid leukemia (AML); also known as acute non-lymphocytic leukemia (PubMed:1549122). Translocation t(6;9) (p23;q34) with NUP214/CAN (PubMed:1549122). It results in the formation of a DEK-NUP214 fusion gene (PubMed:1549122).
<b>Sequence similarities</b>	Contains 1 SAP domain.
<b>Post-translational modifications</b>	Phosphorylated by CK2. Phosphorylation fluctuates during the cell cycle with a moderate peak during G(1) phase, and weakens the binding of DEK to DNA.
<b>Cellular localization</b>	Nucleus. Enriched in regions where chromatin is decondensed or sparse in the interphase nuclei.

## Images



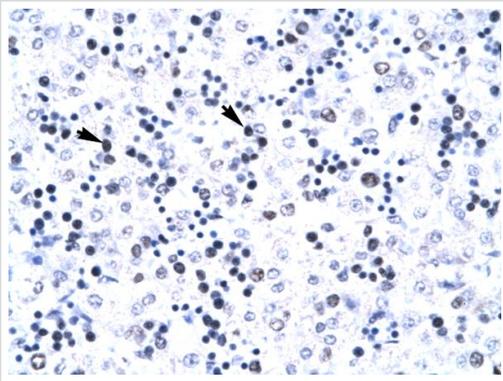
Anti-DEK antibody (ab22826) at 0.4 µg/ml +  
HepG2 whole cell lysate (ab7900)

### Secondary

Donkey Anti-Rabbit IgG H&L (HRP)  
preadsorbed (ab7083)

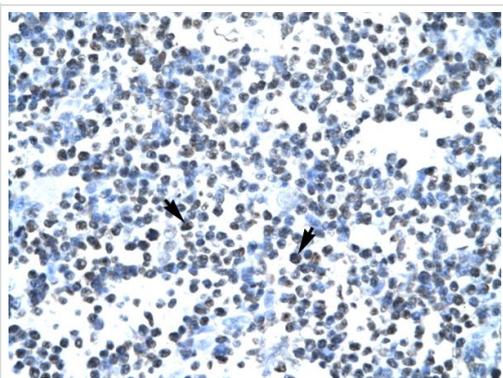
**Predicted band size:** 42 kDa

**Observed band size:** 42 kDa



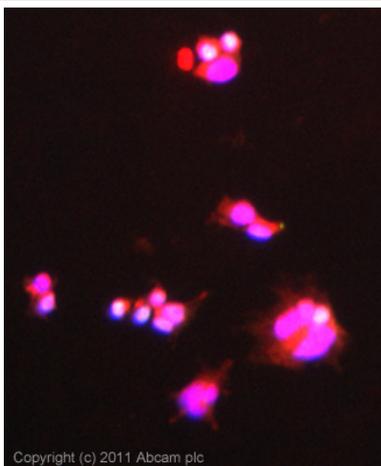
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DEK antibody (ab22826)

ab22826 at 4.0 - 8.0 ug/ml, staining human DEK in paraffin embedded liver tissue. Arrows indicate positively labelled cells (hepatocytes).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DEK antibody (ab22826)

ab22826 at 4.0 - 8.0 ug/ml, staining human DEK in paraffin embedded thymus tissue. Arrows indicate positively labelled cells (spleen cells).



Immunocytochemistry/ Immunofluorescence - Anti-DEK antibody (ab22826)

ICC/IF image of ab22826 stained Hek293 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab22826, 1 µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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