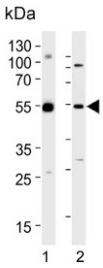
DEK Antibody (F55024)

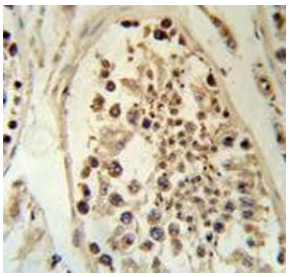
Catalog No.	Formulation	Size
F55024-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55024-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

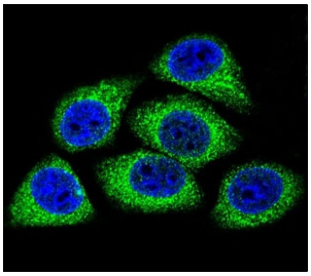
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P35659
Localization	Nuclear, cytoplasmic
Applications	Western Blot : 1:500-1:1000 Immunofluorescence : 1:10-1:50 Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:50-1:100
Limitations	This DEK antibody is available for research use only.



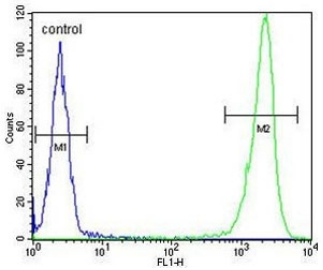
Western blot testing of human 1) U-251 MG and 2) PC-3 cell lysate with DEK antibody. Expected molecular weight: 43-50 kDa.



IHC testing of FFPE human testis tissue with DEK antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human HeLa cells with DEK antibody (green) and DAPI nuclear stain (blue).



Flow cytometry testing of human WiDr cells with DEK antibody; Blue=isotype control, Green= DEK antibody.

Description

DEK is a protein with one SAP domain. This protein binds to cruciform and superhelical DNA and induces positive supercoils into closed circular DNA, and is also involved in splice site selection during mRNA processing. Chromosomal aberrations involving this region, increased expression of this gene, and the presence of antibodies against this protein are all associated with various diseases.

Application Notes

The stated application concentrations are suggested starting points. Titration of the DEK antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 336-364 from the human protein was used as the immunogen for the DEK antibody.

Storage

Aliquot the DEK antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.