For Research Use Only

DEK Monoclonal antibody

Catalog Number:66194-1-Ig Featured Product 3 Publications

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Basic Information

Catalog Number:
66194-1-Ig

Size:
150ul , Concentration: 2600 ug/ml by Nanodrop and 1613 ug/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG2a

Immunogen Catalog Number:
AG8225

GenBank Accession Number:
BC035259

GeneID (NCBI):
7913

UNIPROT ID:
P35659

Full Name:
DEK oncogene

Calculated MW:
43 kDa

Observed MW:
40-50 kDa

Purification Method:
Protein A purification

CloneNo.:
5E3A6

Recommended Dilutions:
WB: 1:5000-1:50000
IHC: 1:1000-1:4000
IF/ICC: 1:1000-1:4000

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HeLa cells, HEK-293 cells, Jurkat cells, K-562 cells, Raji cells, Ramos cells, HSC-T6 cells, PC-12 cells, NIH/3T3 cells

IHC : human placenta tissue,

IF/ICC : HepG2 cells,

Background Information

Dek oncogene(DEK) is first recognized in a fusion with CAN nucleoporin protein, and it's a also autoantigen in patients with pquciarticular onset juvenile rheumatoid arthritis. As a site-specific binding protein, DEK may involve in transcriptional regulation and signal transdcution. Analysis by agarose gel celctrophoresis, DEK showed to reduce the efficiency with which chromation is replicated. It's one of the first components of the splicing complex, which remains associate with spliced exons dependent on prior splicing of pre-mRNA.

Notable Publications

Author	Pubmed ID	Journal	Application
Huo-Chun Yi	25351213	Mol Med Rep	IHC
Zhe Chen	33755722	J Exp Med	WB
Wen-Huan Jia	31189566	Biochem J	WB,IF

Storage

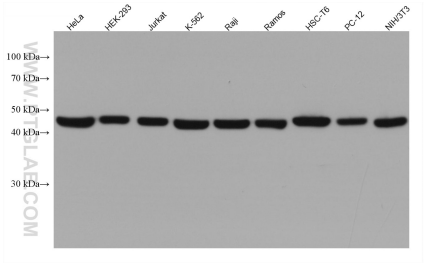
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

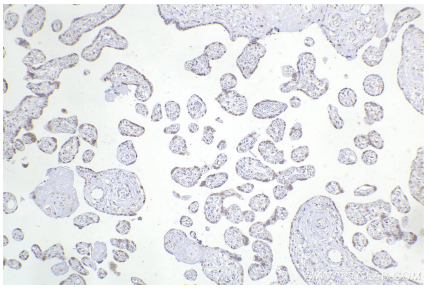
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

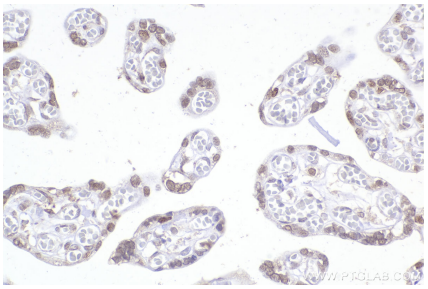


Various lysates were subjected to SDS PAGE followed by western blot with 66194-1-Ig (DEK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

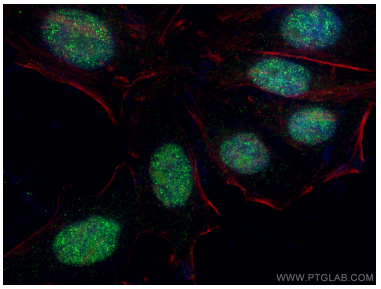
WB result of DEK antibody (66194-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DEK transfected HEK-293 cells.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66194-1-Ig (DEK antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 66194-1-Ig (DEK antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using DEK antibody (66194-1-Ig, Clone: 5E3A6) at dilution of 1:2000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-phalloidin (red).