

For Research Use Only

DEK Polyclonal antibody

Catalog Number: 16448-1-AP

Featured Product

24 Publications



Basic Information

Catalog Number:
16448-1-AP

Size:
150ul, Concentration: 500 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8225

GenBank Accession Number:
BC035259

GeneID (NCBI):
7913

Full Name:
DEK oncogene

Calculated MW:
43 kDa

Observed MW:
43-50 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:3000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
ChIP, IF, IHC, WB

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, K-562 cells, T-47D cells, C6 cells, mouse brain tissue, rat brain tissue

IP: HeLa cells,

IHC: mouse brain tissue,

IF: HeLa cells,

Background Information

Dek oncogene (DEK) is first recognized in a fusion with CAN nucleoporin protein, and it's also autoantigen in patients with pquciarticular onset juvenile rheumatoid arthritis. As a site-specific binding protein, DEK may involve in transcriptional regulation and signal transduction. Analysis by agarose gel electrophoresis, DEK showed to reduce the efficiency with which chromatin 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 |
|---------------|-----------|-------------|-------------|
| Nasim A Begum | 22843687 | J Biol Chem | WB |
| Lu Yue | 33377022 | STAR Protoc | IF |
| Ming-Xu Qiao | 27499261 | Oncol Rep | |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

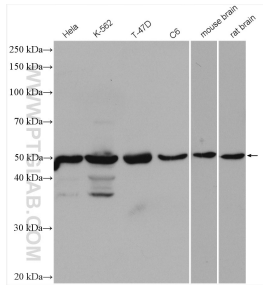
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

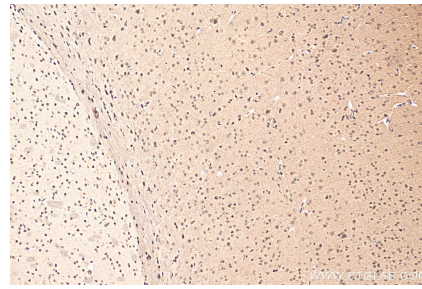
E: proteintech@ptglab.com
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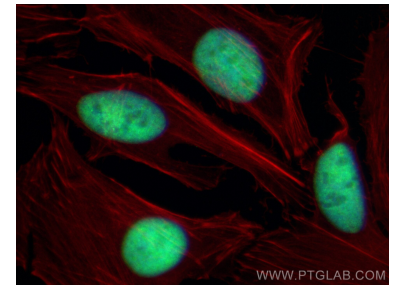
Selected Validation Data



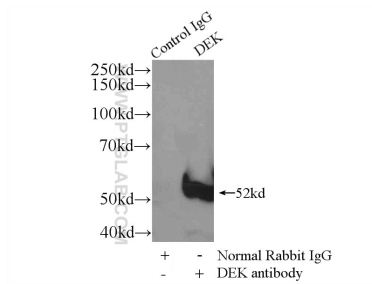
Various lysates were subjected to SDS PAGE followed by western blot with 16448-1-AP (DEK antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16448-1-AP (DEK antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DEK antibody (16448-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



IP Result of anti-DEK (IP:16448-1-AP, 4 μ g; Detection:16448-1-AP 1:500) with HeLa cells lysate 1200 μ g.