

Rabbit DEK Polyclonal Antibody | anti-DEK antibody

Anti-DEK Antibody, Rabbit Polyclonal

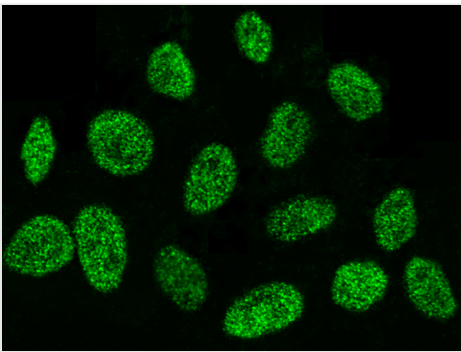
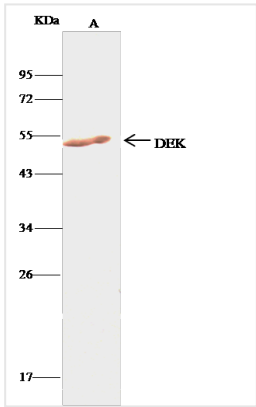
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254494	Rabbit	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

DEK; Polyclonal Antibody; Anti-DEK Antibody; Rabbit Polyclonal; DEK Antibody; Rabbit PAb; Antigen Affinity Purified; DEK proto-oncogene; Anti-D6S231E Antibody; anti-DEK antibody

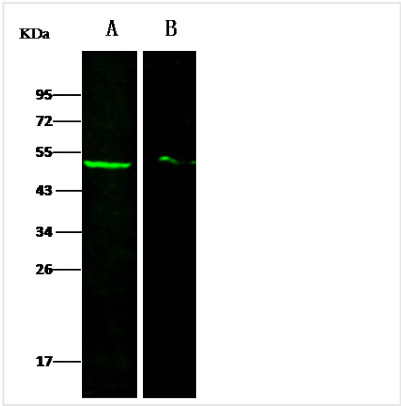
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse, Rat (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DEK
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-DEK antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human DEK
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human DEK, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IF (Immunofluorescence)
Immunofluorescence staining of DEK in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human DEK polyclonal antibody (dilution ratio 1:5000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to nucleus.

IP (Immunoprecipitation)
DEK was immunoprecipitated using: Lane A: 0.5 mg K562 Whole Cell Lysate 1 uL anti-DEK rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-DEK rabbit polyclonal antibody, at 1:500 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:500 dilution. Developed using the DAB staining technique. Performed under reducing conditions. Predicted band size: 42 kDa. Observed band size: 42 kDa.



WB (Western Blot)
Anti-DEK rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: K562 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 43 kDa. Observed band size: 50 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DEK antibody

The DNA binding protein and chromatin structural regulator DEK regulate many cellular processes. These include proliferation, differentiation, apoptosis, senescence, DNA repairing and the maintenance of stem cell phenotype. DEK is increasingly recognized as a crucial player in many steps of cancer initiation and progression, and is precisely regulated by abundant promoting and inhibiting factors directly or indirectly. DEK may serve as an architectural modulating protein to regulate the expression and function of multiple human genes in cancer cells. DEK is a highly conserved chromatin-bound protein whose upregulation across cancer types correlates with genotoxic therapy resistance. Loss of DEK induces genome instability and sensitizes cells to DNA double strand breaks (DSBs), suggesting defects in DNA repair. The DEK oncogene is overexpressed in many human malignancies including at early tumor stages. The high levels of DEK significantly reprogrammed cellular metabolism and altered the abundances of amino acids, TCA cycle intermediates and the glycolytic end products lactate, alanine and NAD+. Decreased DEK expression in plasma cells suggests a potential role of this gene in plasma cell development and lack of detectable DEK protein by IHC could be used as a biomarker for normal and malignant plasma cells.

NCBI AND UNIPROT INFORMATION

NCBI GI #	544150
NCBI GeneID	7913

UniProt Accession #	P35659; Q5TGV4; Q5TGV5; B2R6K6; B4DN37
Molecular Weight	Predicted: 43 kDa
NCBI Official Full Name	Protein DEK
NCBI Official Synonym Full Names	DEK proto-oncogene
NCBI Official Symbol	DEK
NCBI Official Synonym Symbols	D6S231E
NCBI Protein Information	protein DEK
UniProt Protein Name	Protein DEK
UniProt Gene Name	DEK
UniProt Entry Name	DEK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dek-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-western-blot-elisa/254494>