

Datasheet for ABIN2792529 anti-DEK antibody (Middle Region)



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Overview

Quantity:	100 µL
Target:	DEK
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Guinea Pig, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DEK antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human DEK
Sequence:	ELKETIKLL ASANLEEVTM KQICKKYYEN YPTYDLTERK DFIKTTVKEL
Cross-Reactivity:	Cow (Bovine), Chicken, Human, Mouse (Murine), Rat (Rattus)
Predicted Reactivity:	Cow: 85%, Guinea Pig: 85%, Horse: 85%, Human: 100%, Mouse: 85%, Pig: 78%, Rabbit: 85%, Rat: 85%
Characteristics:	This is a rabbit polyclonal antibody against DEK. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	DEK
Alternative Name:	DEK (DEK Products)
Background:	<p>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. Two transcript variants encoding different isoforms have been found for this gene. This gene encodes 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. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: D6S231E</p> <p>Protein Interaction Partner: CUL3, SPOP, UBC, EED, IRF2BP2, GANAB, PTPN12, CSNK2A2, CSNK2A1, TP53BP1, ESR1, VTN, S100A9, RPL37A, DHX15, FTSJ3, WIBG, TMED9, EXOSC2, UTP14A, THRAP3, CAND1, COPS5, CDK2, YWHAZ, Cebpb, ELAVL1, SUMO1, SUMO2, RAD21, HDGF, KAT2B, EP300, CREBBP, HIST1H4A, HDA</p> <p>Protein Size: 375</p>
Molecular Weight:	43 kDa
Gene ID:	7913
NCBI Accession:	NM_003472 , NP_003463
UniProt:	P35659

Application Details

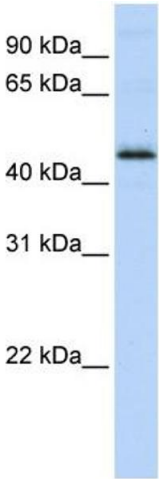
Application Notes:	<p>WB Suggested Anti-DEK Antibody Titration: 0.2-1 µg/mL</p> <p>ELISA Titer: 1:1562500</p> <p>Positive Control: MCF7 cell lysate.</p> <p>Optimal working dilutions should be determined experimentally by the investigator.</p>
Comment:	Antigen size: 375 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:	<p>Bonito-Oliva, Barbash, Sakmar, Graham: "Nucleobindin 1 binds to multiple types of pre-fibrillar amyloid and inhibits fibrillization." in: Scientific reports, Vol. 7, pp. 42880, (2017) (PubMed).</p> <p>Larkin, Ribeiro, Lavoie: "Topology and membrane anchoring of the lysosomal storage disease-related protein CLN5." in: Human mutation, Vol. 34, Issue 12, pp. 1688-97, (2013) (PubMed).</p> <p>Lin, Fischer, Lavoie, Huang, Farquhar: "Calnuc plays a role in dynamic distribution of Galphai but not Gbeta subunits and modulates ACTH secretion in AtT-20 neuroendocrine secretory cells." in: Molecular neurodegeneration, Vol. 4, pp. 15, (2009) (PubMed).</p> <p>Valencia, Cotten, Duan, Liu: "Modulation of nucleobindin-1 and nucleobindin-2 by caspases." in: FEBS letters, Vol. 582, Issue 2, pp. 286-90, (2008) (PubMed).</p> <p>Sugeno, Takeda, Hasegawa, Kobayashi, Kikuchi, Mori, Wakabayashi, Itoyama: "Serine 129 phosphorylation of alpha-synuclein induces unfolded protein response-mediated cell death." in: The Journal of biological chemistry, Vol. 283, Issue 34, pp. 23179-88, (2008) (PubMed).</p>
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Western Blotting

Image 1. WB Suggested Anti-DEK Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: MCF7 cell lysate