

# DEK (E1L3V) Rabbit mAb



Orders: 877-616-CELL (2355)

orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com

cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

### For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W	Reactivity: H M R Mk	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 50	<b>Source/Isotype:</b> Rabbit IgG	UniProt ID: #P35659	Entrez-Gene Id 7913
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000	
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. <i>Do not aliquot the antibody.</i>				
Specificity/Sensitivity		DEK (E1L3V) Rabbit mAb recognizes endogenous levels of total DEK protein.				
Species predicted to react based on 100% sequence homology		Hamster, Bovine				
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Val120 of human DEK protein.				
Background		higher eukaryotic orga cells (1,2). DEK is an ab heterochromatin by in stabilizing local tri-me transcription by intera	anisms and prefere bundant, non-histo teracting with HP1 thyl histone H3 Lys cting with transcrip	e is a nuclear phosphopr ntially expressed in activ ne chromosomal proteir a, enhancing HP1a bind 9 levels (3). DEK localized otion factors such as Rel to regulate splicing and	vely proliferating ar n that establishes ar ing to tri-methyl his d to euchromatin re A/p65 (4). The DEK	nd/or malignant and maintains stone H3 Lys9 and epresses protein also
		apoptosis. DEK is trans myeloid leukemia, bre lung cancer (1,2). In ac intracellular functions (1,2). Circulating autoa diseases, including juv secreted by human mo chemotactic, pro-inflat translocate to the nuc	slocated and/or over ast cancer, cervical dition to the role of extracellular DEK in intibodies to DEK he renile idiopathic art onocyte-derived ma mmatory factor (7, leus to carry out its	negative regulator of celler-expressed in a number cancer, hepatocellular confiders of DEK in cancer biology, is implicated in the pathwave been identified in the chritis, sarcoidosis, and sacrophages and apoptol B). Exogenous DEK can parended and tractant for peripher	er of different cance arcinoma, melanon which is mainly rel ogenesis of autoim ne serum of patient systemic lupus eryth tic T-lymphocytes al penetrate neighbori nctions (9). IL-8 ind	ers, including acute na, and small cell ated to its mune disorders s with autoimmune nematosus. DEK is nd can act as a ng cells, and uced secretion of
Background Re	ferences	1. Broxmeyer, H.E. et al. (2013) <i>Stem Cells</i> 31, 1447-53. 2. Riveiro-Falkenbach, E. and Soengas, M.S. (2010) <i>Clin Cancer Res</i> 16, 2932-8. 3. Kappes, F. et al. (2011) <i>Genes Dev</i> 25, 673-8. 4. Sammons, M. et al. (2006) <i>J Biol Chem</i> 281, 26802-12. 5. McGarvey, T. et al. (2000) <i>J Cell Biol</i> 150, 309-20. 6. Soares, L.M. et al. (2006) <i>Science</i> 312, 1961-5. 7. Mor-Vaknin, N. et al. (2006) <i>Mol Cell Biol</i> 26, 9484-96. 8. Kappes, F. et al. (2008) <i>Mol Cell Biol</i> 28, 3245-57. 9. Saha, A.K. et al. (2013) <i>Proc Natl Acad Sci U S A</i> 110, 6847-52.				

# **Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

## **Western Blot Buffer**

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key** 

W: Western Blotting

**Cross-Reactivity Key** 

**H:** Human **M:** Mouse **R:** Rat **Mk:** Monkey

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