DDX5 Antibody	T	Cell Signaling	
Stor	Orders:	877-616-CELL (2355) orders@cellsignal.com	
23	Support:	877-678-TECH (8324)	
#4387	Web:	info@cellsignal.com cellsignal.com	
#	3 Trask Lane Danvers M	assachusetts 01923 USA	

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

Applications: WB	Reactivity: H M R Mk		MW (kDa): 70	Source: Rabbit	UniProt ID: #P17844	Entrez-Gene Id: 1655
Product Usage Information		Application Western Blotting			Dilution 1:1000	
Storage		Supplied in 10 mM sodiu 20°C. Do not aliquot the		5), 150 mM NaCl, 10	0 μg/ml BSA and 50% g	lycerol. Store at –
Specificity / Sensiti	ivity ^I	DDX5 Antibody detects endogenous levels of total DDX5 protein.				
Source / Purificatio	r	Polyclonal antibodies arr residues surrounding Gl chromatography.		-		
Background		DDX5 (DEAD box polyp, similarity to translation ir RNA helicases, defined function primarily in the in helicase activity (2) and miRNA and rRNA process interact with HDAC1, which diverse group of proteins role for DDX5 in a multit induced epithelial meson stimulation was shown to GSK-3β, leading to Wnt- c-Myc, cyclin D1, and Sr	nitiation factor eIF- by the presence of regulation of RNA has been identified ssing (3,4). DDX m here it can regulate s, including Runx2 ude of development chymal transition (1 o displace Axin fro -independent nucle	4A (1). DDX5 is a m a conserved DEAD secondary structure. d as a critical subuni ay also regulate mF promoter-specific tr , p53, Smad3, CBP, ntal processes. Nota EMT). Phosphorylati m β-catenin; this pre	ember of the DEAD box (Asp-Glu-Ala-Asp) moti DDX5 exhibits ATP-dep t of the DROSHA compl RNA splicing (5) and has anscription (6). DDX5 in and p300 (7-10), sugge bly, DDX5 may be invol- on of DDX5 at Tyr593 for evented phosphorylation	family of putative f that appears to bendent RNA ex that regulates been shown to iteracts with a sting an important ved in growth factor- blowing PDGF of β-catenin by
Background Refere		 Ford, M.J. et al. (1988) Hirling, H. et al. (1989) Fukuda, T. et al. (2007) Davis, B.N. et al. (2007) Camats, M. et al. (2007) Wilson, B.J. et al. (2007) Jensen, E.D. et al. (2007) Bates, G.J. et al. (2009) Warner, D.R. et al. (2009) Warner, D.R. et al. (2001) Assow, K.L. and Jan Yang, L. et al. (2007) Carter, C.L. et al. (2011)) Nature 339, 562- 7) Nat Cell Biol 9, 6 98) Nature 454, 56- 98) PLoS ONE 3, 6 94) BMC Mol Biol 9 95) EMBO J 24, 54 904) Biochem Biop 94 Biochem Biop 95, Cell 127, 139-55. J Biol Chem 282, 2	4. 604-11. 62926. 5, 11. n 103, 1438-51. 3-53. hys Res Commun 3 Oncogene 22, 151-6 16811-9.		
Species Reactivity	S	pecies reactivity is dete	rmined by testing i	n at least one appro	ved application (e.g., we	estern blot).
Western Blot Buffe		MPORTANT: For wester .1% Tween® 20 at 4°C v			d primary antibody in 59	6 w/v BSA, 1X TBS,
Applications Key	١	WB: Western Blotting				

1/1/24, 1:15 PM	DDX5 Antibody (#4387) Datasheet Without Images Cell Signaling Technology
Cross-Reactivity Key	 H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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