

#4159 Store at -20°C

DHX29 Antibody



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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, IP	H M R	Endogenous	155	Rabbit	#Q7Z478	54505

Product Usage Information	Application	Dilution
	Western Blotting	1:1000
	Immunoprecipitation	1:50
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	DHX29 Antibody detects endogenous levels of total DHX29 protein.	
Source / Purification	Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues at the C-terminus of human DHX29. Antibodies were purified by protein A and peptide affinity chromatography.	
Background	DHX29 is an ATP-dependent RNA helicase that belongs to the DEAD-box helicase family (DEAH subfamily). DHX29 contains one central helicase and one helicase at the carboxy-terminal domain (1). Its function has not been fully established but DHX29 was recently shown to facilitate translation initiation on mRNAs with structured 5' untranslated regions (2). DHX29 binds 40S subunits and hydrolyzes ATP, GTP, UTP, and CTP. Hydrolysis of nucleotide triphosphates by DHX29 is strongly stimulated by 43S complexes and is required for DHX29 activity in promoting 48S complex formation (2).	
Background References	<ol style="list-style-type: none"> de la Cruz, J. et al. (1999) <i>Trends Biochem Sci</i> 24, 192-8. Pisareva, V.P. et al. (2008) <i>Cell</i> 135, 1237-50. 	

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 nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.
Applications Key	WB: Western Blotting IP: Immunoprecipitation
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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