

#6914
Store at -20C**DGCR8 (D78E4) Rabbit mAb**

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

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H	Endogenous	120	Rabbit IgG	#Q8WYQ5	54487
Product Usage Information	Application		Dilution			
	Western Blotting		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. Do not aliquot the antibody.					
Specificity/Sensitivity	DGCR8 (D78E4) Rabbit mAb recognizes endogenous levels of total DGCR8 protein.					
Species predicted to react based on 100% sequence homology	Mouse, Rat					
Source / Purification	Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Gly83 of human DGCR8 protein.					
Background	Drosha was identified as a nuclear RNase III that catalyzes the initial step of microRNA (miRNA) processing (1). This enzyme processes the long primary transcript pri-miRNAs into stem-looped pre-miRNAs. Interference of Drosha results in the increase of pri-miRNAs and the decrease of pre-miRNAs (1). Drosha exists in a multiprotein complex called Microprocessor along with other components, such as DGCR8 (2). Drosha and DGCR8 are necessary for miRNA biogenesis (3).					
Background References	<ol style="list-style-type: none"> 1. Lee, Y. et al. (2003) <i>Nature</i> 425, 415-9. 2. Denli, A.M. et al. (2004) <i>Nature</i> 432, 231-5. 3. Gregory, R.I. et al. (2004) <i>Nature</i> 432, 235-40. 					

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
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