



## Anti-DGCR8 (aa 675-771) polyclonal antibody (DPAB-DC2329)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a subunit of the microprocessor complex which mediates the biogenesis of microRNAs from the primary microRNA transcript. The encoded protein is a double-stranded RNA binding protein that functions as the non-catalytic subunit of the microprocessor complex. This protein is required for binding the double-stranded RNA substrate and facilitates cleavage of the RNA by the ribonuclease III protein, Drosha. Alternate splicing results in multiple transcript variants.
<b>Immunogen</b>	DGCR8 (NP_073557, 675 a.a. ~ 771 a.a) partial recombinant protein with GST tag. The sequence is LASQKILQLLHPHVKNWGSLLRMYGRESSKMKVKQETSDKSVIELQQYAKKNKPNLHILSK LQEEMKRLAEEREETRKKPKMSIVASAQPGGEPLCTV
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">DGCR8 DGCR8 microprocessor complex subunit [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DGCR8
<b>Synonyms</b>	DGCR8; DGCR8 microprocessor complex subunit; Gy1; pasha; DGCRK6; C22orf12; microprocessor complex subunit DGCR8; DiGeorge syndrome critical region 8; DiGeorge syndrome critical region gene 8;
<b>Entrez Gene ID</b>	<a href="#">54487</a>
<b>Protein Refseq</b>	<a href="#">NP_001177255</a>
<b>UniProt ID</b>	<a href="#">Q8WYQ5</a>
<b>Chromosome Location</b>	22q11.2
<b>Pathway</b>	Direct p53 effectors; MicroRNA (miRNA) biogenesis;
<b>Function</b>	double-stranded RNA binding; metal ion binding; protein binding;