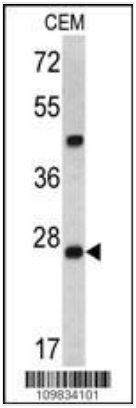
DCR-1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Dcr-1, Polyclonal Antibody
Full Product Name	Dcr-1, ID (Endoribonuclease dcr-1, dcr-1, K12H4.8) (Azide free) (HRP)
Product Gene Name	anti-Dcr-1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	C. elegans
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes c. elegans Dcr-1.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	210.924
3D Structure	ModBase 3D Structure for P34529
Immunogen	Synthetic peptide selected from the central region of C. elegans Dcr-1 (KLH).
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-Dcr-1 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-Dcr-1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-Dcr-1 antibody	WB: 1:100-1:500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-Dcr-1 antibody	MBS6471980 is an antibody targeting Dcr-1. Also known as Dcr-1, ID (Endoribonuclease dcr-1, dcr-1, K12H4.8) (Azide free) (HRP). Reactive in C. elegans. Host: Rabbit.
Product References and Citations for anti-Dcr-1 antibody	1. Duchaine TF, et al. 2006. Cell 124:343-354. 2. Denli AM, et al. 2004. Nature 432:231-235. 3. Tabara H, et al. 2002. Cell 109:861-871. 4. Grishok A, et al. 2001. Cell 106:23-34. 5. Knight SW, et al. 2001. Science 293:2269-2271.
Other Notes	Small volumes of anti-Dcr-1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-Dcr-1 antibody
Western blot analysis of Dcr-1 antibody (Center) in CEM cell line lysates (35ug/lane). Dcr-1 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Dcr-1. It may not necessarily be applicable to this product.

NCBI GI #	392895692
NCBI GeneID	176138
NCBI Accession #	NP_498761
UniProt Primary Accession #	P34529
UniProt Related Accession #	P34529; CCD71200
GenBank Nucleotide #	NP_498761.2
NCBI Official Full Name	Death-promoting deoxyribonuclease
NCBI Official Symbol	dcr-1
UniProt Protein Name	Endoribonuclease dcr-1
Protein Family	Endoribonuclease
UniProt Gene Name	dcr-1
UniProt Synonym Gene Names	tDCR-1
NCBI Protein Information	Death-promoting deoxyribonuclease
UniProt Comments for Dcr-1	Involved in cleaving double-stranded RNA in the RNA interference (RNAi) pathway (PubMed:11641272, PubMed:20223951). It produces 21 to 23 bp dsRNAs (siRNAs) which target the selective destruction of homologous RNAs (PubMed:11641272, PubMed:20223951). Seems to process the precursor of the small temporal RNA let-7 which is involved in developmental timing (PubMed:11641272).
Research Articles on Dcr-1	**1.** role for pash-1 in miRNA maturation and miRNA-mediated gene regulation.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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