Product Name: DGCR8 Rabbit Monoclonal Antibody
Catalog #: AMRe01908

Summary

Production Name	DGCR8 Rabbit Monoclonal Antibody
Description	Recombinant Rabbit Monoclonal antibody
Host	Rabbit
Application	WB,ICC/IF,IP
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Purification	Affinity Purified

Immunogen

Gene Name	DGCR8
Alternative Names	DGCR8; DGCRK6; Gy1; C22orf12; D16Wis2; pasha
Gene ID	54487
SwissProt ID	Q8WYQ5

Application

Dilution Ratio	WB: 1/500-1/1000 IF: 1/50-1/200 IP: 1/20
Molecular Weight	Calculated MW: 86 kDa; Observed MW: 120 kDa

Background

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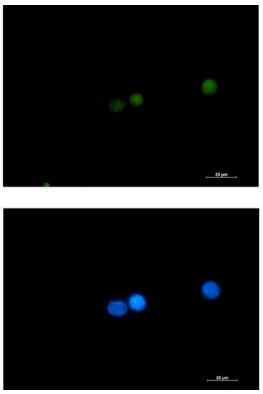
Component of the microprocessor complex that is required to process primary miRNA transcripts (pri-miRNAs) to release precursor miRNA (pre-miRNA) in the nucleus. Within the microprocessor complex, DGCR8 function as a molecular anchor necessary for the recognition of pri-miRNA at dsRNA-ssRNA junction and directs DROSHA to cleave 11 bp away form the junction to release hairpin-shaped pre-miRNAs that are subsequently cut by the cytoplasmic DICER to generate mature miRNAs.

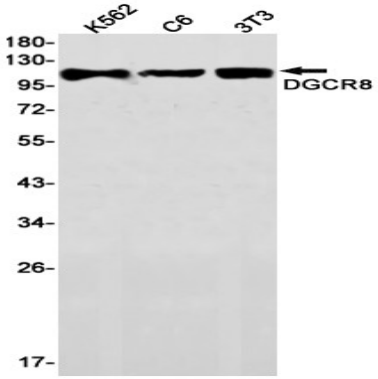
Research Area

Epigenetics and Nuclear Signaling

Image Data



Immunocytochemistry analysis of DGCR8 (green) in K562 using DGCR8 antibody,and DAPI(blue).



Western blot analysis of DGCR8 in K562, C6, 3T3 lysates using DGCR8 antibody.

Note

For research use only.