

Anti-DGCR8 (Ser377) Antibody

Our Anti-DGCR8 (Ser377) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is
Catalog # AN1359

Specification

Anti-DGCR8 (Ser377) Antibody - Product Information

Primary Accession	O8WY05
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	86045

Anti-DGCR8 (Ser377) Antibody - Additional Information

Gene ID **54487**

Other Names

DGCRK6 antibody, C22orf12 antibody, D16H22S788E antibody, D16Wis2 antibody, DGCR 8 antibody, Dgcr8 antibody, DGCR8 microprocessor complex subunit antibody, DGCR8_HUMAN antibody, DGCRK 6 antibody, DiGeorge syndrome critical region 8 antibody, DiGeorge syndrome critical region gene 8 antibody, Gy1 antibody, Microprocessor complex subunit DGCR8 antibody, pasha antibody

Target/Specificity

The Drosha-DGCR8 microprocessor complex is required for microRNA (miRNA) biogenesis. DGCR8 (DiGeorge Syndrome Critical Region 8) recognizes the RNA substrate, whereas Drosha functions as the endonuclease. DGCR8, which contains two double-stranded RNA (dsRNA)-binding domains, interacts with the pri-miRNA and functions as the molecular anchor that measures the distance from the ds-RNA-ssRNA junction and directs Drosha cleavage 11bp away (Han, J., et al, 2006). The efficiency of Drosha cleavage increases in the presence of heme and promotes the formation of highly ordered DGCR8 structures upon binding to RNA (Faller, M., et al, 2010).

Format

Antigen Affinity Purified from Pooled Serum

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-DGCR8 (Ser377) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

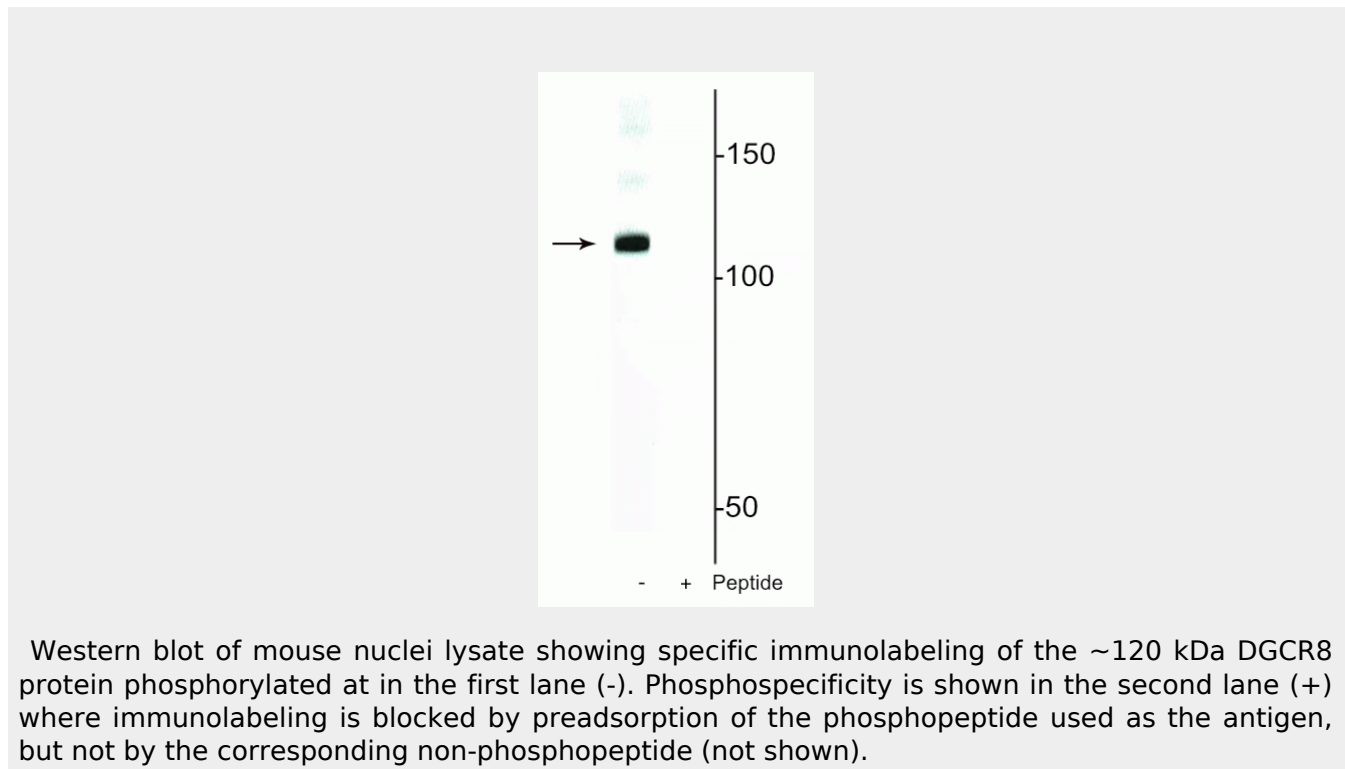
Blue Ice

Anti-DGCR8 (Ser377) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-DGCR8 (Ser377) Antibody - Images



Anti-DGCR8 (Ser377) Antibody - Background

The Drosha-DGCR8 microprocessor complex is required for microRNA (miRNA) biogenesis. DGCR8 (DiGeorge Syndrome Critical Region 8) recognizes the RNA substrate, whereas Drosha functions as the endonuclease. DGCR8, which contains two double-stranded RNA (dsRNA)-binding domains, interacts with the pri-miRNA and functions as the molecular anchor that measures the distance from the ds-RNA-ssRNA junction and directs Drosha cleavage 11bp away (Han, J., et al, 2006). The efficiency of Drosha cleavage increases in the presence of heme and promotes the formation of highly ordered DGCR8 structures upon binding to RNA (Faller, M., et al, 2010).