

# DGCR2 Rabbit pAb

DGCR2 Rabbit pAb Catalog # AP58944

#### **Product Information**

Application WB Primary Accession P98153

**Reactivity** Rat, Rabbit, Zebrafish

Host Rabbit
Clonality Polyclonal
Calculated MW 60811
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human DGCR2

**Epitope Specificity** 151-250/550

**Isotype** IgG

**Purity** affinity purified by Protein A

**Buffer** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

**SUBCELLULAR LOCATION** Membrane; Single pass type I membrane protein.

**SIMILARITY** Contains 1 C-type lectin domain. Contains 1 LDL-receptor class A domain.

Contains 1 VWFC domain.

**Important Note** This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

**Background Descriptions** The DGCR2 gene encodes a novel putative adhesion receptor protein, which

may play a role in neural crest cells migration, a process which has been proposed to be altered in DiGeorge syndrome. Deletions of the 22q11.2 have been associated with a wide range of developmental defects (notably DiGeorge syndrome, velocardiofacial syndrome, conotruncal anomaly face syndrome and isolated conotruncal cardiac defects) classified under the

acronym CATCH 22.

#### **Additional Information**

**Gene ID** 9993

Other Names Integral membrane protein DGCR2/IDD, DGCR2, IDD, KIAA0163

**Target/Specificity** Predominantly expressed in brain, heart, lung and fetal kidney. Low levels in

liver and adult kidney.

**Dilution** WB=1:500-2000

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

### **Protein Information**

Name DGCR2

Synonyms IDD, KIAA0163

**Function** Putative adhesion receptor, that could be involved in cell- cell or cell-matrix

interactions required for normal cell differentiation and migration.

**Cellular Location** Membrane; Single-pass type I membrane protein.

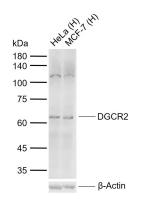
**Tissue Location** Predominantly expressed in brain, heart, lung and fetal kidney. Low levels in

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# **Background**

The DGCR2 gene encodes a novel putative adhesion receptor protein, which may play a role in neural crest cells migration, a process which has been proposed to be altered in DiGeorge syndrome. Deletions of the 22q11.2 have been associated with a wide range of developmental defects (notably DiGeorge syndrome, velocardiofacial syndrome, conotruncal anomaly face syndrome and isolated conotruncal cardiac defects) classified under the acronym CATCH 22.

## **Images**



Sample:

Lane 1: Human HeLa cell lysates Lane 2: Human MCF-7 cell lysates

Primary: Anti-DGCR2 (AP58944) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000

dilution

Predicted band size: 59 kDa Observed band size: 62 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.