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DGCR2 Rabbit pAb

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Catalog # AP58944

Product Information

Application	WB
Primary Accession	P98153
Reactivity	Human
Predicted	Mouse, Rat, Rabbit, Zebrafish, Orangutan
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.

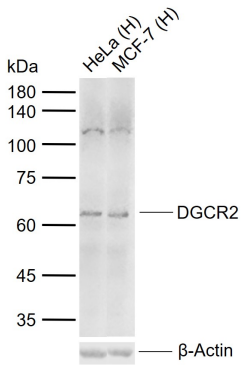
Protein Information

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 liver and adult kidney

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