

DGCR6 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54609**Specification**

DGCR6 Polyclonal Antibody - Product Information

| | |
|--------------------------------|---|
| Application | IHC-P, IHC-F, IF, ICC, E |
| Primary Accession | Q14129 |
| Reactivity | Rat, Dog, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 25 KDa |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human DGCR6 |
| Epitope Specificity | 112-180/220 |
| 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 | Nucleus. Note=Predominantly nuclear. |
| SIMILARITY | Belongs to the gonadal family. |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |

Background Descriptions

Neural crest cell migration to the third and fourth pharyngeal pouches is a critical step in the structural formation of organs that are affected in DiGeorge syndrome. DGCR6 (DiGeorge syndrome critical region 6) is a nuclear protein that plays a role in neural crest cell migration and is located at the DiGeorge syndrome critical region (DGCR) on chromosome 22. Expressed ubiquitously with highest levels in heart, liver and skeletal muscle, DGCR6 shares high homology with the Drosophila gonadal (gdl) protein and with human Laminin ?1, both of which are involved in early tissue development. The gene encoding DGCR6, along with other DGCR genes, is deleted in DiGeorge syndrome; a developmental disorder characterized by improper facial, cardiac and palate formation. Upregulation of DGCR6 is implicated in lung and colon adenocarcinomas, as well as in Burkitt lymphoma and lymphocytes transformed by EBV. Due to a duplication of the ancestral DGCR6 locus, there are two functional, highly homologous copies of the DGCR6 gene (designated DGCR6 and DGCR6L) on chromosome 22.

DGCR6 Polyclonal Antibody - Additional Information**Gene ID** 8214**Other Names**

Protein DGCR6, DiGeorge syndrome critical region 6, DGCR6

Target/Specificity

Found in all tissues examined with highest expression in liver, heart and skeletal muscle. Lower levels in pancreas and placenta. Weak expression in brain.

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

DGCR6 Polyclonal Antibody - Protein Information

Name DGCR6

Function

May play a role in neural crest cell migration into the third and fourth pharyngeal pouches.

Cellular Location

Nucleus. Note=Predominantly nuclear

Tissue Location

Found in all tissues examined with highest expression in liver, heart and skeletal muscle. Lower levels in pancreas and placenta. Weak expression in brain

DGCR6 Polyclonal 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](#)

DGCR6 Polyclonal Antibody - Images