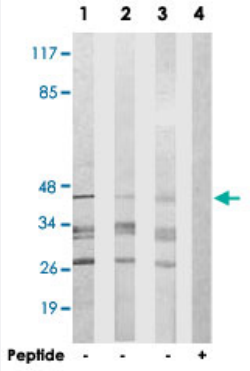
# GSC2 polyclonal antibody

Catalog # PAB17336 Size 100 ug

## Applications




### Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells (Lane 1), HepG2 cells (Lane 2) and COLO 205 cells (Lane 3 and 4), using GSC2 polyclonal antibody (Cat # PAB17336).
Peptide "+" means "with peptide blocking".

## Specification

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|---|---|
| **Product Description** | Rabbit polyclonal antibody raised against synthetic peptide of GSC2. |
| **Immunogen** | A synthetic peptide corresponding to internal of human GSC2. |
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Specificity** | This antibody detects endogenous levels of total GSC2 protein. |
| **Form** | Liquid |
| **Recommend Usage** | Western Blot (1:500-1:1000)<br>ELISA (1:20000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |

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|---|---|
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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## Gene Info — GSC2

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|---|---|
| **Entrez GeneID** | 2928 |
| **Protein Accession#** | O15499 |
| **Gene Name** | GSC2 |
| **Gene Alias** | GSCL |
| **Gene Description** | goosecoid homeobox 2 |
| **Omim ID** | 601845 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Goosecoidlike (GSCL), a homeodomain-containing gene, resides in the critical region for VCFS/ DGS on 22q11. Velocardiofacial syndrome (VCFS) is a developmental disorder characterized by conotruncal heart defects, craniofacial anomalies, and learning disabilities. VCFS is phenotypical ly related to DiGeorge syndrome (DGS) and both syndromes are associated with hemizygous 22 q11 deletions. Because many of the tissues and structures affected in VCFS/DGS derive from th e pharyngeal arches of the developing embryo, it is believed that haploinsufficiency of a gene invo lved in embryonic development may be responsible for its etiology. The gene is expressed in a li mited number of adult tissues, as well as in early human development. [provided by RefSeq |
| **Other Designations** | goosecoid-like |

## Publication Reference

- Characterization and mutation analysis of goosecoid-like (GSCL), a homeodomain-containing gene that maps to the critical region for VCFS/DGS on 22q11.

  Funke B, Saint-Jore B, Puech A, Sirotkin H, Edelmann L, Carlson C, Raft S, Pandita RK, Kucherlapati R, Skoultchi A, Morrow BE.

  Genomics 1997 Dec; 46(3):364.

- The DiGeorge syndrome minimal critical region contains a goosecoid-like (GSCL) homeobox gene that is expressed early in human development.

  Gottlieb S, Emanuel BS, Driscoll DA, Sellinger B, Wang Z, Roe B, Budarf ML.

  American Journal of Human Genetics 1997 May; 60(5):1194.