

# **GSC** Antibody

Purified Mouse Monoclonal Antibody Catalog # AO1817a

## **Product Information**

**Application** WB, E **Primary Accession** P56915 Reactivity Human Host Mouse Clonality Monoclonal **Clone Names** 4C5D10 Isotype IgG1 **Calculated MW** 28150

**Description** This gene encodes a member of the bicoid subfamily of the paired (PRD)

homeobox family of proteins. The encoded protein acts as a transcription factor and may be autoregulatory. A similar protein in mice plays a role in

craniofacial and rib cage development during embryogenesis.

**Immunogen** Purified recombinant fragment of human GSC (AA: 191-257) expressed in E.

Coli.

**Formulation** Purified antibody in PBS with 0.05% sodium azide

#### **Additional Information**

**Gene ID** 145258

Other Names Homeobox protein goosecoid, GSC

**Dilution** WB~~1/500 - 1/2000 E~~1/10000

**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** GSC Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

#### **Protein Information**

Name GSC

**Function** Regulates chordin (CHRD). May play a role in spatial programing within

discrete embryonic fields or lineage compartments during organogenesis. In concert with NKX3-2, plays a role in defining the structural components of the middle ear; required for the development of the entire tympanic ring (By

similarity). Probably involved in the regulatory networks that define neural crest cell fate specification and determine mesoderm cell lineages in mammals.

**Cellular Location** 

Nucleus.

## **Background**

This gene encodes a member of the bicoid subfamily of the paired (PRD) homeobox family of proteins. The encoded protein acts as a transcription factor and may be autoregulatory. A similar protein in mice plays a role in craniofacial and rib cage development during embryogenesis.;

### References

1. Dev Biol. 2012 Feb 1;362(1):94-103. 2. Proc Natl Acad Sci USA. 2006 Dec 12;103(50):18969-74.

## **Images**

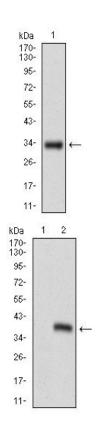


Figure 1: Western blot analysis using GSC mAb against human GSC recombinant protein. (Expected MW is 33.5 kDa)

Figure 2: Western blot analysis using GSC mAb against HEK293 (1) and GSC (AA: 191-257)-hIgGFc transfected HEK293 (2) cell lysate.

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