

## GSC Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant GSC.

Catalog # AT2268a

### Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P56915</a>
<b>Other Accession</b>	<a href="#">NM_173849</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	3D11
<b>Calculated MW</b>	28150

### Additional Information

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<b>Gene ID</b>	145258
<b>Other Names</b>	Homeobox protein goosecoid, GSC
<b>Target/Specificity</b>	GSC (NP_776248, 151 a.a. ~ 257 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	GSC Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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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.

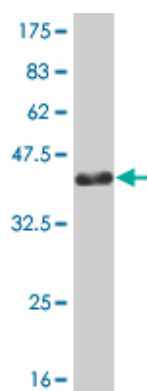
### References

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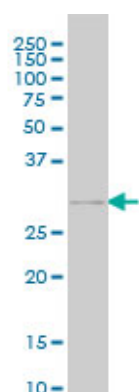
Pedigree and genetic study of a bilateral congenital microtia family. Zhang Q, et al. Plast Reconstr Surg, 2010 Mar. PMID 20195123.Environmental and genetic factors associated with congenital microtia: a case-control study in Jiangsu, China, 2004 to 2007. Zhang QG, et al. Plast Reconstr Surg, 2009 Oct. PMID 19935299.A genome-wide association study identifies a novel major locus for glycemic control in type 1 diabetes, as

measured by both A1C and glucose. Paterson AD, et al. Diabetes, 2010 Feb. PMID 19875614. A child with deletion (14)(q24.3q32.13) and auditory neuropathy. Schlade-Bartusiak K, et al. Am J Med Genet A, 2008 Jan 1. PMID 18074379. The Spemann organizer gene, Goosecoid, promotes tumor metastasis. Hartwell KA, et al. Proc Natl Acad Sci U S A, 2006 Dec 12. PMID 17142318.

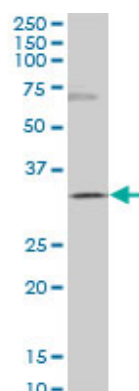
## Images



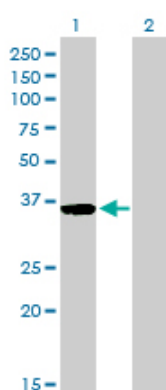
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.51 kDa) .



GSC monoclonal antibody (M03), clone 3D11 Western Blot analysis of GSC expression in COLO 320 HSR ( (Cat # AT2268a )

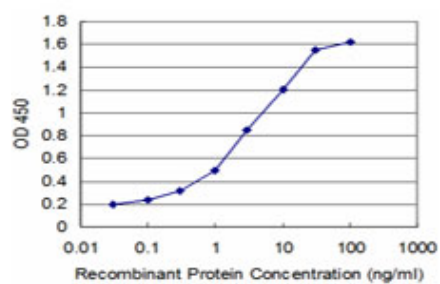


GSC monoclonal antibody (M03), clone 3D11. Western Blot analysis of GSC expression in SJCRH30 ( (Cat # AT2268a )

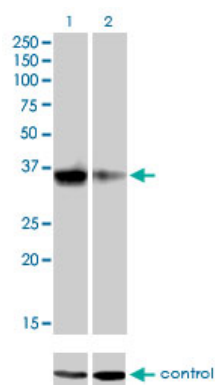


Western Blot analysis of GSC expression in transfected 293T cell line by GSC monoclonal antibody (M03), clone 3D11.

Lane 1: GSC transfected lysate (28.1 kDa).  
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged GSC is approximately 0.3ng/ml as a capture antibody.



Western blot analysis of GSC over-expressed 293 cell line, cotransfected with GSC Validated Chimera RNAi (Cat # AT2268a )

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