10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GSC Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant GSC.
Catalog # AT2268a

Product Information

Application	WB, E
Primary Accession	P56915
Other Accession	NM_173849
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3D11
Calculated MW	28150

Additional Information

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

Background

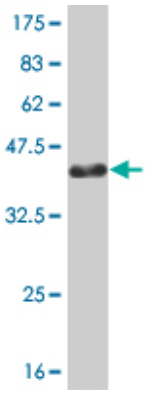
This gene encodes a member of the bicoid subfamily of the paired (PRD) homeobox family of proteins. The encoded protein acts as a transcription factor and may be autoregulatory. A similar protein in mice plays a role in craniofacial and rib cage development during embryogenesis.

References

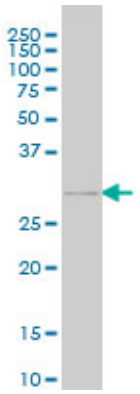
Pedigree and genetic study of a bilateral congenital microtia family. Zhang Q, et al. Plast Reconstr Surg, 2010 Mar. PMID 20195123.Environmental and genetic factors associated with congenital microtia: a case-control study in Jiangsu, China, 2004 to 2007. Zhang QG, et al. Plast Reconstr Surg, 2009 Oct. 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.

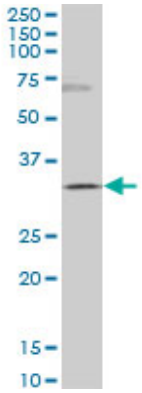
Images



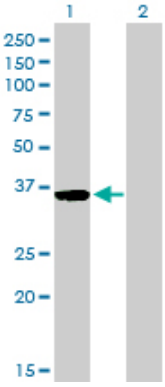
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.51 KDa) .



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

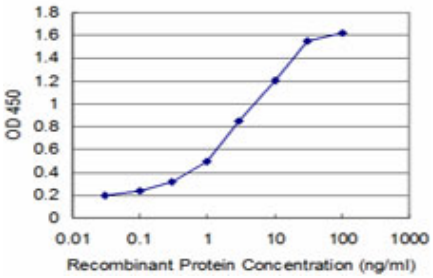


GSC monoclonal antibody (M03), clone 3D11. Western Blot analysis of GSC expression in SJCRH30 ((Cat # AT2268a)

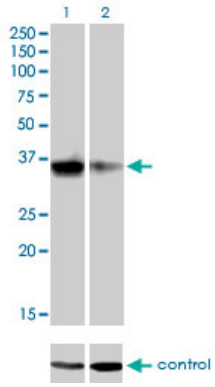


Western Blot analysis of GSC expression in transfected 293T cell line by GSC monoclonal antibody (M03), clone 3D11.

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'.