

GSC Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant GSC.****Catalog # AT2267a****Specification**

GSC Antibody (monoclonal) (M01) - Product Information

Application	IP, WB, IHC, E
Primary Accession	P56915
Other Accession	NM_173849
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	28150

GSC Antibody (monoclonal) (M01) - Additional Information**Gene ID** 145258**Other Names**

Homeobox protein gooseoid, 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

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) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

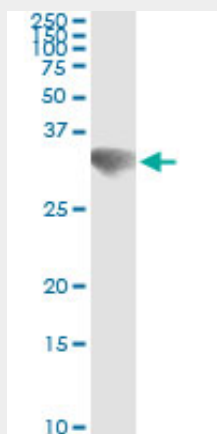
GSC Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

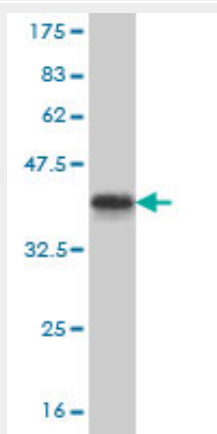
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

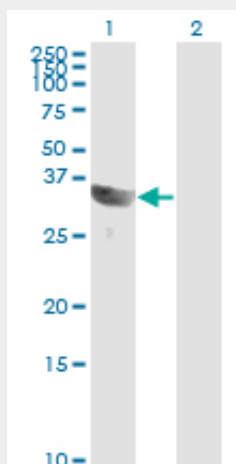
GSC Antibody (monoclonal) (M01) - Images



Immunoprecipitation of GSC transfected lysate using anti-GSC monoclonal antibody and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with GSC MaxPab rabbit polyclonal antibody.

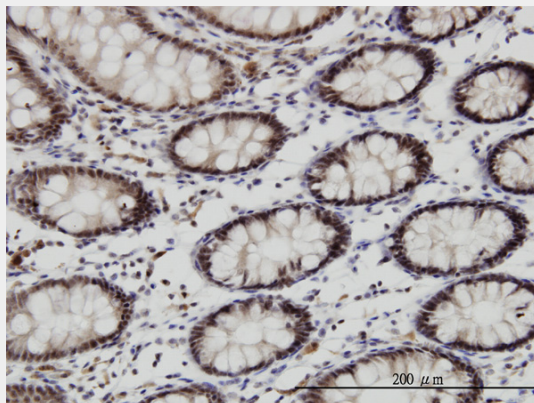


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.51 KDa) .

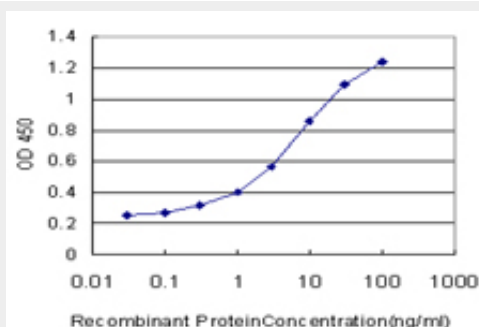


Western Blot analysis of GSC expression in transfected 293T cell line by GSC monoclonal antibody (M01), clone 4H7.

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



Immunoperoxidase of monoclonal antibody to GSC on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged GSC is approximately 0.1ng/ml as a capture antibody.

GSC Antibody (monoclonal) (M01) - 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.

GSC Antibody (monoclonal) (M01) - References

1.Generation of pluripotent stem cells from adult human testis.Conrad S, Renninger M, Hennenlotter J, Wiesner T, Just L, Bonin M, Aicher W, Buhring HJ, Mattheus U, Mack A, Wagner HJ, Minger S, Matzkies M, Reppel M, Hescheler J, Sievert KD, Stenzl A, Skutella T.Nature. 2008 Nov 20;456(7220):344-9. Epub 2008 Oct 8.