Mouse anti-Human GSC Monoclonal Antibody | anti-GSC antibody

GSC (Homeobox Protein Goosecoid) (HRP)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25411	**Mouse**	**Human**	**ELISA, Western Blot**

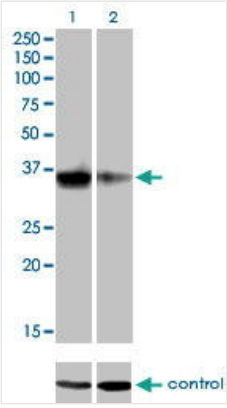
PRODUCT SYNONYMS

GSC; Monoclonal Antibody; GSC (Homeobox Protein Goosecoid) (HRP); anti-GSC antibody

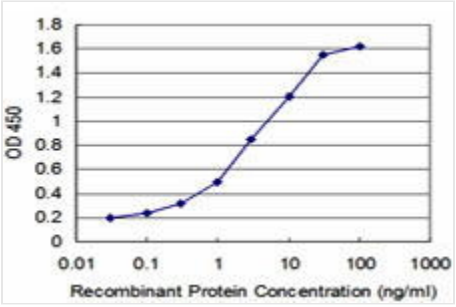
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	3D11
Specificity	Recognizes human GSC.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Applicable Applications for anti-GSC antibody	ELISA, WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant protein corresponding to aa151-258 from human GSC (NP_776248) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	LLNQLHCRRKRRHRTIFTDEQLEALENLFQETKYPDVGTREQLARKVHLREEKVEVWFKNRRAKWRRQKRSSSEESENAEKWNKTSSSKASPEKREEE
Conjugate	HRP
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be r assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, ce original vial after thawing and prior to removing the cap.

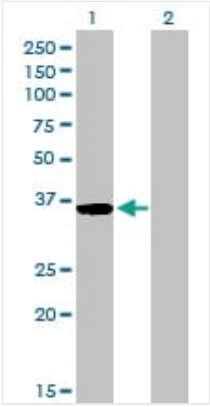
IMAGES



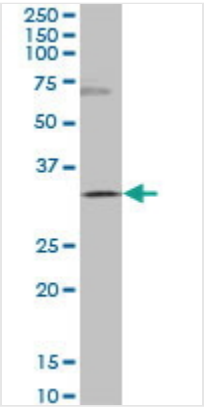
WB (Western Blot)
Western blot analysis of GSC over-expressed 293 cell line, cotransfected with GSC Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with GSC monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.



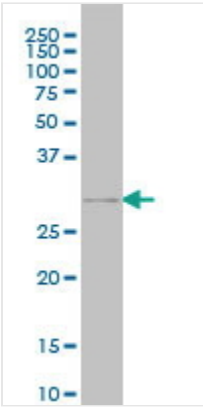
Application Data
Detection limit for recombinant GST tagged GSC is ~0.3ng/ml as a capture antibody.



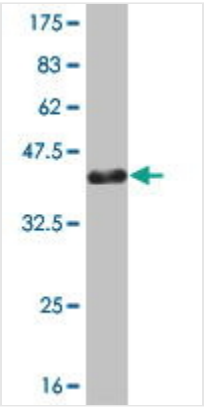
WB (Western Blot)
Western Blot analysis of GSC expression in transfected 293T cell line by GSC monoclonal antibody. Lane 1: GSC transfected lysate (28.1kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
GSC monoclonal antibody. Western Blot analysis of GSC expression in SJCRH30.



WB (Western Blot)
GSC monoclonal antibody. Western Blot analysis of GSC expression in COLO 320 HSR.



WB (Western Blot)
Western Blot detection against Immunogen (37.88kD).

ADDITIONAL INFORMATION

Related Product Information for anti-GSC antibody	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.
Product Categories/Family for anti-GSC antibody	Antibodies; Transcription Factors; Homeobox (HOX)

NCBI AND UNIPROT INFORMATION

NCBI GI #	27777663
NCBI GeneID	145258
NCBI Accession #	NP_776248
NCBI GenBank Nucleotide #	NM_173849
UniProt Accession #	P56915; Q86YR1
Molecular Weight	28,150 Da
NCBI Official Full Name	homeobox protein goosecoid
NCBI Official Synonym Full Names	goosecoid homeobox
NCBI Official Symbol	GSC
NCBI Official Synonym Symbols	SAMS
NCBI Protein Information	homeobox protein goosecoid
UniProt Protein Name	Homeobox protein goosecoid
UniProt Gene Name	**GSC**
UniProt Entry Name	GSC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/monoclonal/gsc-antibody-clone-3d11-western-blot-elisa/25411