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# Datasheet for ABIN2779490 anti-GSC antibody (N-Term)

7 Images

1 Publication



#### Overview

Quantity:	100 μL
Target:	GSC
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSC antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Target Details	
Purification:	Affinity Purified
Characteristics:	This is a rabbit polyclonal antibody against GSC. It was validated on Western Blot using a cell lysate as a positive control.
Predicted Reactivity:	Cow: 86%, Dog: 92%, Human: 100%, Mouse: 85%, Pig: 100%, Rat: 85%
Sequence:	FPALHGDSLY GASGGASSDY GAFYPRPVAP GGAGLPAAVS GSRLGYNNYF
Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human GSC

Target:	GSC
Alternative Name:	GSC (GSC Products)

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## Target Details GSC regulates chordin (CHRD). GSC may play a role in spatial programing within discrete Background: embryonic fields or lineage compartments during organogenesis. 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. Alias Symbols: -Protein Interaction Partner: SMAD3, SMAD1, SMAD2, FOXA2, Protein Size: 257 Molecular Weight: 28 kDa Gene ID: 145258 NCBI Accession: NM\_173849, NP\_776248 UniProt: P56915

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 257 AA
Restrictions:	For Research Use only

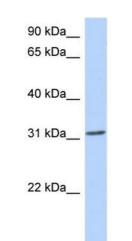
### Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

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Sweetman, Münsterberg: "The vertebrate spalt genes in development and disease." in: **Developmental biology**, Vol. 293, Issue 2, pp. 285-93, (2006) (PubMed).

#### Images



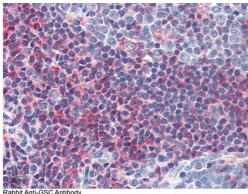
#### Western Blotting

Image 1. WB Suggested Anti-GSC Antibody Titration: 0.2-1

ug/ml

ELISA Titer: 1:12500

Positive Control: 721\_B cell lysate

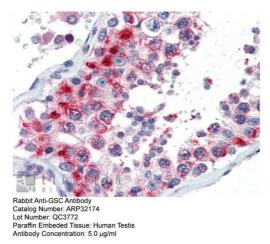


#### Immunohistochemistry

**Image 2.** Immunohistochemistry with Human Tonsil lysate tissue at an antibody concentration of 5.0ug/ml using anti-GSC antibody

Rabbit Anti-GSC Antibody Catalog Number: ARP32174 Lot Number: OC3772 Paraffin Embeded Tissue: Human Tonsil Antibody Concentration: 5.0 µg/ml

Data courtesy of Lifespan Biosciences, Inc



Data courtesy of Lifespan Biosciences, Inc

#### Immunohistochemistry

**Image 3.** Immunohistochemistry with Human Testis lysate tissue at an antibody concentration of 5.0ug/ml using anti-GSC antibody

Please check the product details page for more images. Overall 7 images are available for ABIN2779490.

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