Datasheet for ABIN2780669

anti-GSC2 antibody (C-Term)

2 Images

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Overview

Quantity:	100 µL
Target:	GSC2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Guinea Pig, Rabbit, Cow, Zebrafish (Danio rerio), Dog, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GSC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human GSCL
Sequence:	LEALFVQNQY PDVSTRERLA GRIRLREERV EVWFKNRRAK WRHQKRASAS
Predicted Reactivity:	Cow: 93%, Dog: 93%, Guinea Pig: 100%, Horse: 85%, Human: 100%, Mouse: 100%, Rabbit: 85%, Rat: 100%, Zebrafish: 91%
Characteristics:	This is a rabbit polyclonal antibody against GSCL. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	GSC2

Target Details

Alternative Name:	GSCL (GSC2 Products)
Background:	Goosecoidlike (GSCL) resides in the critical region for VCFS/DGS on 22q11. Velocardiofacial syndrome (VCFS) is phenotypically related to DiGeorge syndrome (DGS) and both syndromes are associated with hemizygous 22q11 deletions. Because many of the tissues and structures affected in VCFS/DGS derive from the pharyngeal arches of the developing embryo, it is believed that haploinsufficiency of a gene involved in embryonic development may be responsible for its etiology.Goosecoidlike (GSCL), a homeodomain-containing gene, resides in the critical region for VCFS/DGS on 22q11. Velocardiofacial syndrome (VCFS) is a developmental disorder characterized by conotruncal heart defects, craniofacial anomalies, and learning disabilities. VCFS is phenotypically related to DiGeorge syndrome (DGS) and both syndromes are associated with hemizygous 22q11 deletions. Because many of the tissues and structures affected in VCFS/DGS derive from the pharyngeal arches of the developing embryo, it is believed that haploinsufficiency of a gene involved in embryonic development may be responsible for its etiology. The gene is expressed in a limited number of adult tissues, as well as in early human development. Alias Symbols: GSCL Protein Interaction Partner: RNF4, Protein Size: 205
Molecular Weight:	22 kDa
Gene ID:	2928
NCBI Accession:	NM_005315, NP_005306
UniProt:	O15499

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 205 AA
Restrictions:	For Research Use only

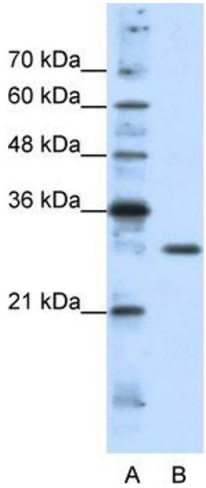
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

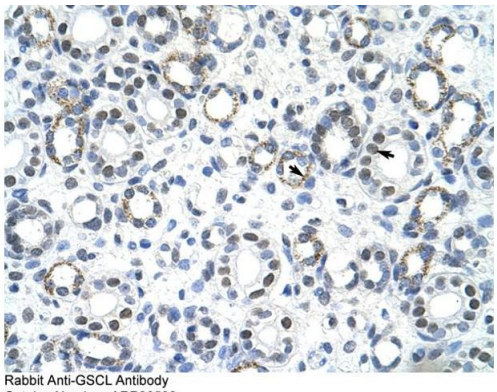
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-GSCL Antibody Titration: 1.25ug/ml Positive Control: HepG2 cell lysate



Rabbit Anti-GSCL Antibody
Catalog Number: ARP38599
Lot Number: QC10815
Paraffin Embeded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human kidney