
Product Name: KD-Validated Goosecoid Homeobox Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01032**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 28.2kDa

Antigen Information

Gene Name	GSC
Alternative Names	GSC; Goosecoid Homeobox; Homeobox Protein Goosecoid; GSC1; SAMS
Gene ID	145258.0
SwissProt ID	P56915
Immunogen	A synthesized peptide derived from human GSC

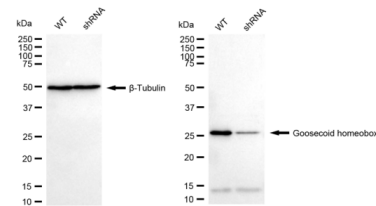
Background

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. [provided by RefSeq, Jul 2008]

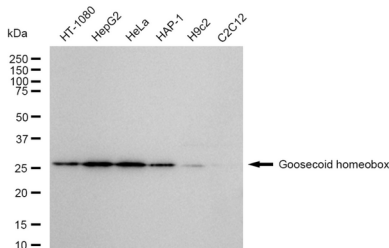
Research Area

Epigenetics and Nuclear Signaling, Stem Cells, Developmental Biology

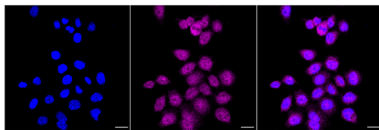
Image Data



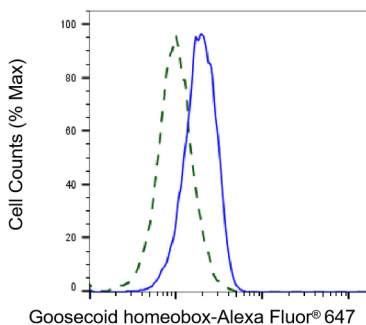
Western blotting analysis using Goosecoid homeobox antibody (KVA01032). Goosecoid homeobox expression in wild type (WT) and Goosecoid homeobox shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with Goosecoid homeobox antibody (KVA01032, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



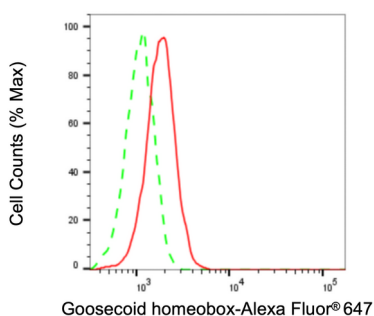
Western blotting analysis using Goosecoid homeobox antibody (KVA01032). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with Goosecoid homeobox antibody (KVA01032, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with goosecoid homeobox antibody (KVA01032, 1:1,000). Nuclei were stained blue with DAPI; Goosecoid homeobox was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar, 20 µm.



Validation of Goosecoid homeobox knockdown using flow cytometry. Wild-type (WT, Blue) and knockdown (KD, Green) HeLa cells were stained with Goosecoid homeobox antibody (KVA01032, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of goosecoid homeobox expression in HepG2 cells using goosecoid homeobox antibody (KVA01032, 1:2,000). Green, isotype control; red, goosecoid homeobox.