SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DAND5/GREM3 antibody

Catalog Number: SL14195R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DAND5/GREM3
Immunogen:	KLH conjugated synthetic peptide derived from human DAND5/GREM3: 101-189/189
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human)
Predicted MW.:	18kDa
Subcellular Location:	cytoplasmic
Background:	This gene encodes a member of the BMP (bone morphogenic protein) antagonist family. Like BMPs, BMP antagonists contain cystine knots and typically form homo- and heterodimers. The CAN (cerberus and dan) subfamily of BMP antagonists, to which this gene belongs, is characterized by a C-terminal cystine knot with an eight-membered ring. The antagonistic effect of the secreted protein encoded by this gene is likely due to its direct binding to BMP proteins. As an antagonist of BMP, this gene may play a role in regulating organogenesis, body patterning, and tissue differentiation. In mouse, this protein has been shown to bind Nodal and to inhibit the Nodal signaling pathway which patterns left/right body asymmetry. [provided by RefSeq, Jul

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	2008] **Function:** Seems to play a role in the correct specification of the left-right axis. May antagonize NODAL and BMP4 signaling. Cystine knot-containing proteins play important roles during development, organogenesis, tissue growth and differentiation. **Subcellular Location:** Secreted. **Similarity:** Belongs to the DAN family. Contains 1 CTCK (C-terminal cystine knot-like) domain. **Database links:** **Entrez Gene:** 199699 Human Omim: 609068 Human **SwissProt:** Q8N907 Human **Unigene:** 331981 Human

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