bs-11831R **[Primary Antibody]**

Chordin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 8646 **SWISS:** Q9H2X0

Target: Chordin

Immunogen: KLH conjugated synthetic peptide derived from human Chordin: 412-490/951.

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°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The patterning of the CNS relies on the interaction of multiple signaling molecules such as Sonic Hedgehog, Wnts, and BMPs and their antagonists Chordin and Noggin. At midgastrula, expression of Noggin overlaps that of Chordin. Chordin is a key developmental protein that dorsalizes early vertebrate embryonic tissues by binding to ventralizing TGF-beta-like bone morphogenetic proteins and sequestering them in latent complexes. The gene which encodeschordin maps to human chromosome 3q27. Noggin is a secreted protein that binds and inactivates members of the transforming growth factor-beta (TGF-beta) superfamily of signaling proteins, such as BMP-2,4,7. The gene which encodes noggin maps to human chromosome 17q22.

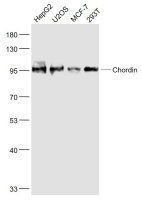
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)

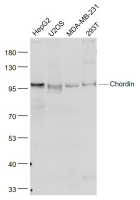
Predicted MW.: 99 kDa

Subcellular Location: Secreted

VALIDATION IMAGES



Sample: HepG2(Human) Cell Lysate at 30 ug U2OS(Human) Cell Lysate at 30 ug MCF-7(Human) Cell Lysate at 30 ug 293T(Human) Cell Lysate at 30 ug Primary: Anti-Chordin (bs-11831R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 99 kD Observed band size: 96 kD



Sample: HepG2(Human) Cell Lysate at 30 ug U2OS(Human) Cell Lysate at 30 ug MDA-MB-231(Human) Cell Lysate at 30 ug 293T(Human) Cell Lysate at 30 ug Primary: Anti-Chordin (bs-11831R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 99 kD Observed band size: 99 kD

SELECTED CITATIONS

- **[IF=7.815]** Zhang Y et al. Directed Differentiation of Notochord-like and Nucleus Pulposus-like Cells Using Human Pluripotent Stem Cells. Cell Rep. 2020 Feb 25;30(8):2791-2806.e5. WB ;human. 32101752