

bs-1795R**[Primary Antibody]****GDF9 Rabbit pAb****Bioss**
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www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 2661	SWISS: O60383	IHC-F (1:100-500)
Target: GDF9		IF (1:50-200)
Immunogen: KLH conjugated synthetic peptide derived from human GDF-9: 351-452/452.		Flow-Cyt (1ug/Test)
Purification: affinity purified by Protein A		Reactivity: Human, Mouse, Rat (predicted: Pig, Sheep, Cow, Chicken, Dog, Horse)
Concentration: 1mg/ml		Predicted MW.: 15 kDa
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.		Subcellular Location: Secreted
Background: GDF 9 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell synthesized by ovarian somatic cells directly affect oocyte growth and function. GDF 9 is expressed in oocytes and is thought to be required for ovarian folliculogenesis.		

— SELECTED CITATIONS —

- **[IF=7.7]** Yu Cai. et al.A novel nuclear receptor NR1D1 suppresses HSD17B12 transcription to regulate granulosa cell apoptosis and autophagy via the AMPK pathway in sheep.INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES.2025 Feb 20;306(Pt 1):141271. Western Blot ;Sheep. 39986531
- **[IF=2.81]** Zhang et al. Simulated Microgravity Using a Rotary Culture System Compromises the In Vitro Development of Mouse Preantral Follicles. (2016) PLoS.On. 11:e0151062 IHC ;Mouse. 26963099
- **[IF=2.586]** Gökçe Nur Arık. et al. Melatonin effective to reduce the microscopic symptoms of polycystic ovary syndrome-related infertility: An experimental study. TISSUE CELL. 2023 Jan;;102015 IHC,WB ;Rat. 36657254