

bs-12243R**[Primary Antibody]**

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Nodal Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 4838	SWISS: Q96S42	IHC-F (1:100-500)
Target: Nodal		IF (1:100-500)
Immunogen: KLH conjugated synthetic peptide derived from Human Nodal: 288-347/347.		ICC/IF (1:100-500)
Purification: affinity purified by Protein A		ELISA (1:5000-10000)
Concentration: 1mg/ml		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Sheep, Cow, Dog, Horse)
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.		Predicted MW.: 13 kDa
Background: The transforming growth factor Beta (TGF Beta) superfamily is composed of numerous growth and differentiation factors, including TGF Beta 1-3, Mullerian inhibiting substance (MIS), growth/differentiation factor (GDF) 1-9, bone morphogenic protein (BMP) 2-8, glial cell line-derived neurotrophic factor (GDNF), Inhibin Alpha, Beta-A, Beta-B and Beta-C, Lefty and Nodal. Members of the TGF Beta superfamily are involved in embryonic development and adult tissue homeostasis. Ectodermal cells through the primitive streak delaminate and differentiate into mesoderm during gastrulation. Nodal expression is detectable in the primitive streak at the time of mesoderm formation, indicating a potential role for Nodal in mesoderm formation. Nodal has also been shown to be involved in the direction of heart looping and embryonic turning.		Subcellular Location: Secreted

— SELECTED CITATIONS —

- **[IF=3.231]** Yan Qi. et al. The Photoperiod Regulates Granulosa Cell Apoptosis through the FSH-Nodal/ALK7 Signaling Pathway in Phodopus sungorus. ANIMALS. 2022 Jan;12(24):3570 IF ;Hamster. 36552491