

**Anti-Human NANOS1 Polyclonal Antibody**  
**Polyclonal Antibody**

**Cat.NO.: PA04503**

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3th Edition

**Description:** NANOS1 (Nanos C2HC-Type Zinc Finger 1) is a Protein Coding gene. Diseases associated with NANOS1 include Spermatogenic Failure 12. GO annotations related to this gene include RNA binding and translation repressor activity. An important paralog of this gene is NANOS3. This gene encodes a CCHC-type zinc finger protein that is a member of the nanos family. This protein co-localizes with the RNA-binding protein pumilio RNA-binding family member 2 and may be involved in regulating translation as a post-transcriptional repressor. Mutations in this gene are associated with spermatogenic impairment.

**Antigen:** Synthesized peptide derived from Nanos Homologue 1 (NANOS1)

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Testis and ovary (at protein level). Predominantly expressed in testis. Specifically expressed during germline development. In adult tissues, it is mainly expressed in spermatogonia, the stem cells of the germline. Also expressed during meiosis in spermatocytes. Not present in late, post-meiotic stage germ cells. Expressed in fetal ovaries, while it is weakly or not expressed in mature postmeiotic oocytes, suggesting that it may be expressed in premeiotic female germ cells. Expressed at high levels only in the E-cadherin deficient cell lines. Highly expressed in lung carcinomas and mostly detected in invasive tumor cells and its expression correlates with tumor aggressiveness.