10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Nanos Homologue 1 (NANOS1) Polyclonal Antibody
Catalog # AP73971

Specification

Nanos Homologue 1 (NANOS1) Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	Q8WY41
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**

Nanos Homologue 1 (NANOS1) Polyclonal Antibody - Additional Information

Gene ID 340719

Other Names
Nanos homolog 1 (NOS-1) (EC_Rep1a)

Dilution
WB~~WB 1:500-2000, ELISA 1:10000-20000

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

Nanos Homologue 1 (NANOS1) Polyclonal Antibody - Protein Information

Name NANOS1

Synonyms NOS1

Function
May act as a translational repressor which regulates translation of specific mRNAs by forming a complex with PUM2 that associates with the 3'-UTR of mRNA targets. Capable of interfering with the proadhesive and anti-invasive functions of E-cadherin. Up-regulates the production of MMP14 to promote tumor cell invasion.

Cellular Location
Cytoplasm, perinuclear region. Cytoplasm Note=Colocalizes with SNAPIN and PUM2 in the perinuclear region of germ cells.

Tissue Location
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

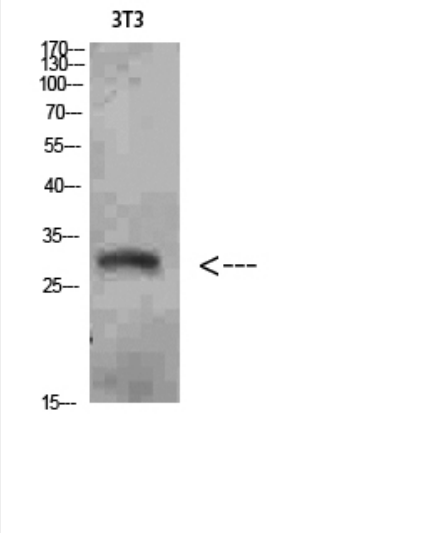
mature postmeiotic oocytes, suggesting that it may be expressed in premeiotic female germ cells. Expressed at high levels only in the E- cadherin deficient cell lines. Highly expressed in lung carcinomas and mostly detected in invasive tumor cells and its expression correlates with tumor aggressiveness.

Nanos Homologue 1 (NANOS1) Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Nanos Homologue 1 (NANOS1) Polyclonal Antibody - Images



Western Blot analysis of 3T3 cells using Nanos Homologue 1 (NANOS1) Polyclonal Antibody diluted at 1:1500. Secondary antibody was diluted at 1:20000

Image not found : 202004/c31035wb42457.jpg

Western Blot analysis of various cells using Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000

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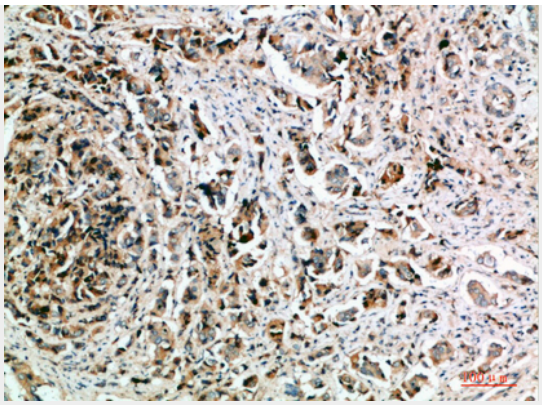
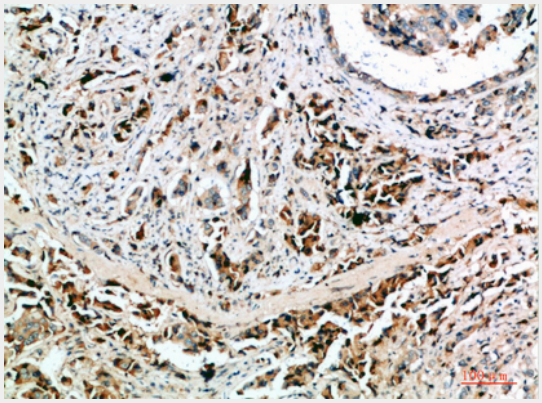


Immunohistochemical analysis of paraffin-embedded human-breast-cancer, antibody was diluted at 1:200



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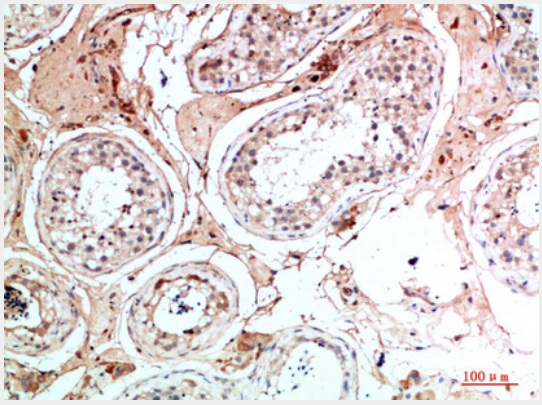

Immunohistochemical analysis of paraffin-embedded human-testis, antibody was diluted at 1:200

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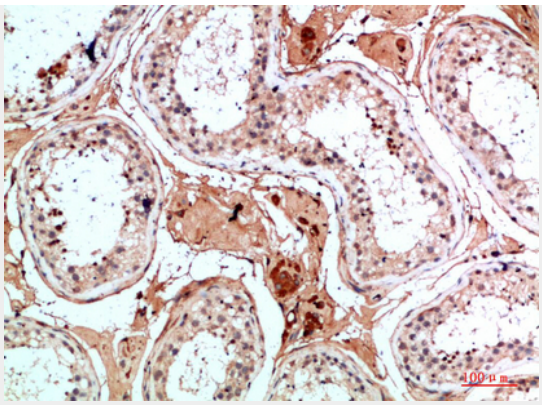

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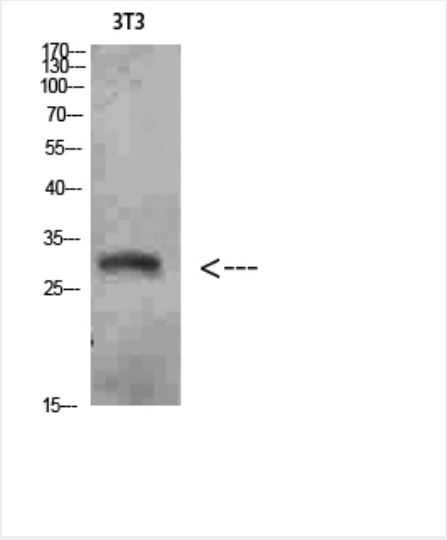

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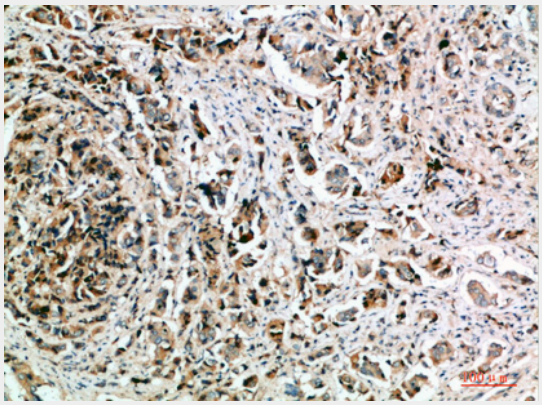

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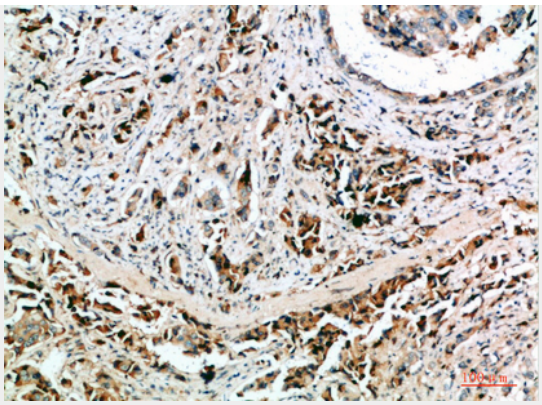

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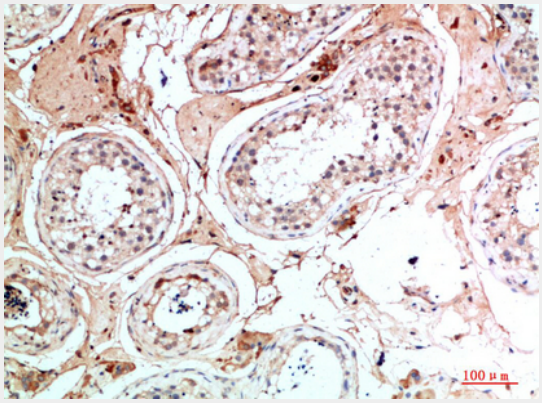

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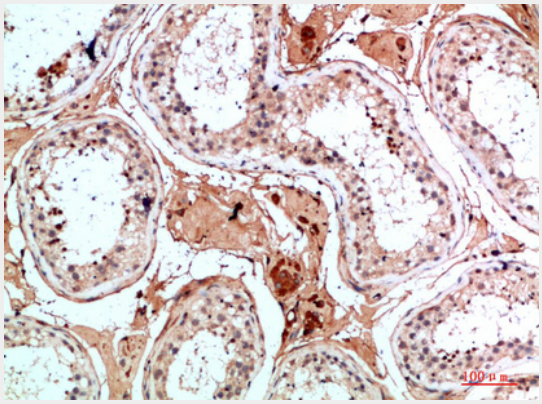

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