

**Product Name: Nanos Homologue 1 (NANOS1) Rabbit
Polyclonal Antibody
Catalog #: APRab14404**



Summary

Production Name	Nanos Homologue 1 (NANOS1) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA,IHC
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	NANOS1
Alternative Names	Nanos homolog 1 (NOS-1) (EC_Rep1a)
Gene ID	340719.0
SwissProt ID	Q8WY41.Synthesized peptide derived from Nanos Homologue 1 (NANOS1) at AA range: 151-200

Application

Dilution Ratio	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Molecular Weight	30kD

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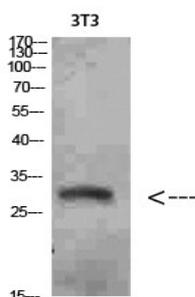


Background

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. [provided by RefSeq, Sep 2015],domain:The Nanos-type zinc finger is composed of two C2HC motifs, each motif binding one molecule of zinc. It is essential for the translation repression activity of the protein.,function:May regulate translation of specific mRNAs by forming a complex with PUM2 that associates with the 3'-UTR of mRNA targets.,similarity:Belongs to the nanos family.,similarity:Contains 1 nanos-type zinc finger.,subunit:Interacts with PUM2.,tissue specificity: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.,

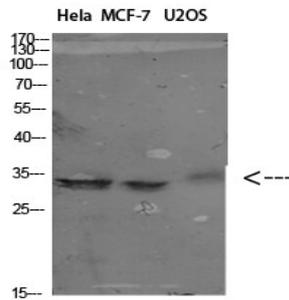
Research Area

Image Data

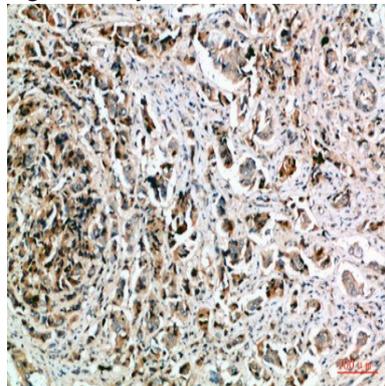


Western Blot analysis of 3T3 cells using Nanos Homologue 1 (NANOS1) Polyclonal Antibody diluted at 1:1500. Secondary antibody was diluted at 1:20000

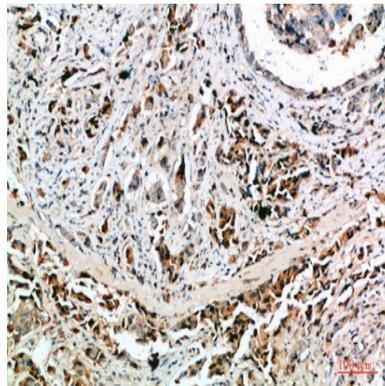
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Western Blot analysis of various cells using Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000

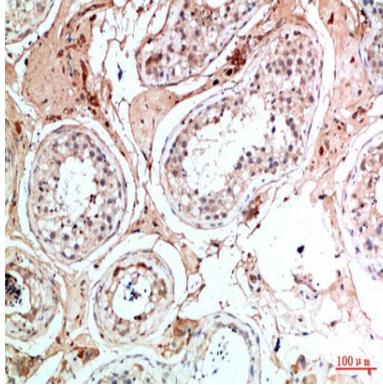


Immunohistochemical analysis of paraffin-embedded human breast cancer, antibody was diluted at 1:200

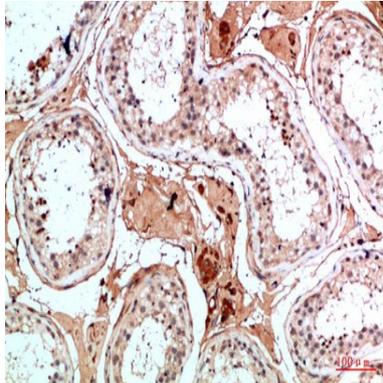


Immunohistochemical analysis of paraffin-embedded human breast cancer, antibody was diluted at 1:200

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



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

Note

For research use only.