

For Research Use Only

# NANOS3 Polyclonal antibody

Catalog Number: 21679-1-AP **6 Publications**



## Basic Information

<b>Catalog Number:</b> 21679-1-AP	<b>GenBank Accession Number:</b> BC101209	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 342977	<b>Recommended Dilutions:</b> WB 1:200-1:1000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P60323	
<b>Isotype:</b> IgG	<b>Full Name:</b> nanos homolog 3 (Drosophila)	
<b>Immunogen Catalog Number:</b> AG16014	<b>Calculated MW:</b> 192 aa, 21 kDa	
	<b>Observed MW:</b> 26-30 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : mouse testis tissue, IHC : human testis tissue,
<b>Cited Applications:</b> WB, IF, IHC	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

The NANOS gene family is required for germ cell development in diverse organisms. NANOS3 is found in migrating primordial germ cells, and the homozygous deficiency of NANOS3 in the mouse results in the complete loss of germ cells in both sexes.

## Notable Publications

Author	Pubmed ID	Journal	Application
Liqian Chen	36099983	J Ethnopharmacol	WB
Simon Grelet	25904364	J Pathol	WB, IHC, IF
Yuanping Cao	32437714	Exp Cell Res	WB

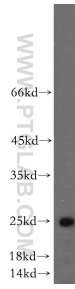
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

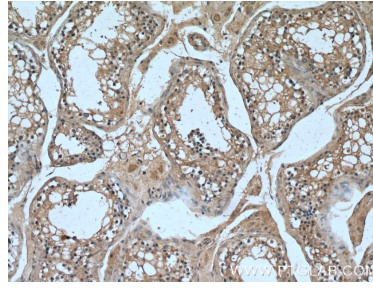
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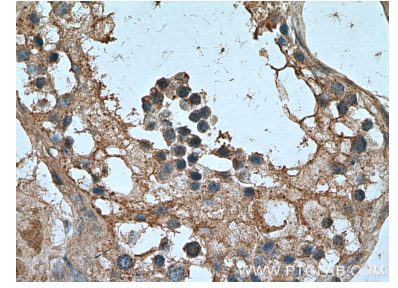
## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 21679-1-AP (NANO3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 21679-1-AP (NANO3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 21679-1-AP (NANO3 Antibody) at dilution of 1:200 (under 40x lens).