

For Research Use Only

NANOS3 Polyclonal antibody

Catalog Number: 21679-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

21679-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16014

GenBank Accession Number:

BC101209

GeneID (NCBI):

342977

UNIPROT ID:

P60323

Full Name:

nanos homolog 3 (Drosophila)

Calculated MW:

192 aa, 21 kDa

Observed MW:

26-30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse testis tissue, HEK-293 cells

IHC : human testis tissue,

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

*** 20ul sizes contain 0.1% BSA

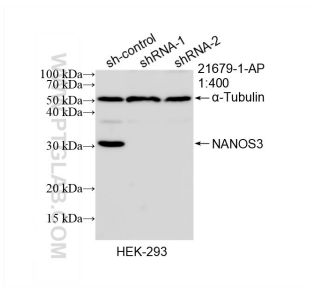
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

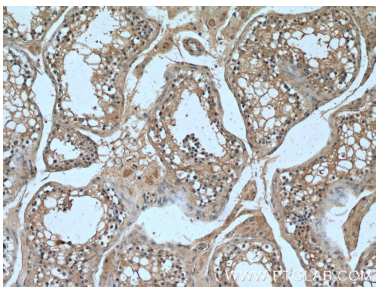
Selected Validation Data



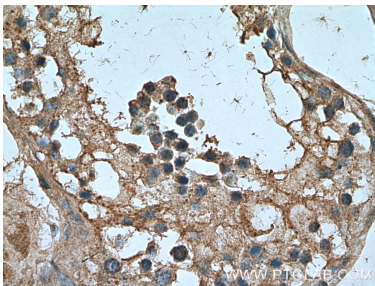
WB result of NANOS3 antibody (21679-1-AP; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-NANOS3 transfected HEK-293 cells.



mouse testis tissue were subjected to SDS PAGE followed by western blot with 21679-1-AP (NANOS3 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 (NANOS3 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 21679-1-AP (NANOS3 Antibody) at dilution of 1:200 (under 40x lens).