

For Research Use Only

NME5 Polyclonal antibody

Catalog Number: 12923-1-AP

7 Publications



Basic Information

Catalog Number:

12923-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3610

GenBank Accession Number:

BC026182

GeneID (NCBI):

8382

UNIPROT ID:

P56597

Full Name:

non-metastatic cells 5, protein expressed in (nucleoside-diphosphate kinase)

Calculated MW:

212 aa, 24 kDa

Observed MW:

24 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:800

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : mouse testis tissue, human kidney tissue

IP : mouse testis tissue,

IHC : mouse testis tissue,

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

Background Information

NME5(Nucleoside diphosphate kinase homolog 5) belongs to the NDK family. Its expression plays a critical role in spermiogenesis by increasing the cellular levels of GPX5 to eliminate reactive oxygen species. NME5 may have specific functions in the phosphotransfer network involved in spermiogenesis and flagellar movement.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Zhang	36417862	Cell Rep	WB,IF
Changying Li	32325343	J Hazard Mater	WB
Song-Xi Tang	39054792	Asian J Androl	WB,IF

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

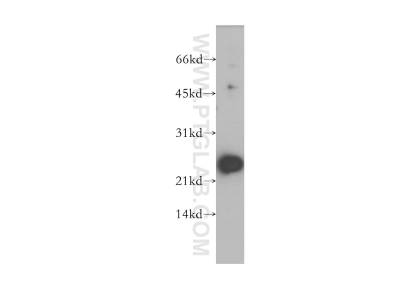
For technical support and original validation data for this product please contact:

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

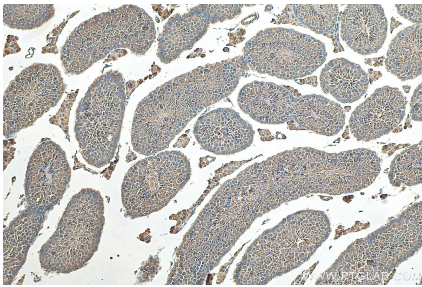
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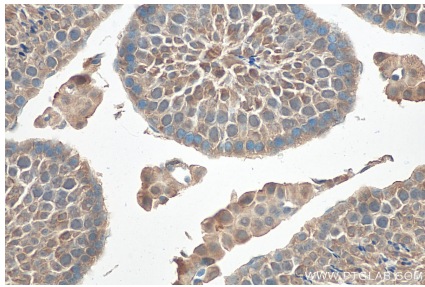
Selected Validation Data



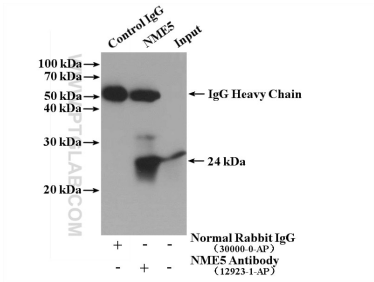
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12923-1-AP (NME5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 12923-1-AP (NME5 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 12923-1-AP (NME5 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-NME5 (IP:12923-1-AP, 4ug; Detection:12923-1-AP 1:500) with mouse testis tissue lysate 3920 ug.