

For Research Use Only

# NME5 Polyclonal antibody

Catalog Number: 12923-1-AP

8 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

**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, human kidney tissue

IP : mouse testis tissue,

IHC : mouse testis tissue,

## 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
Jinyi Chen	39853433	Cell Mol Life Sci	IF

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

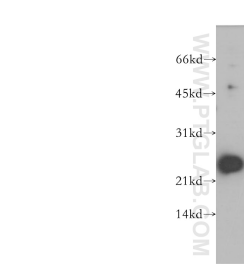
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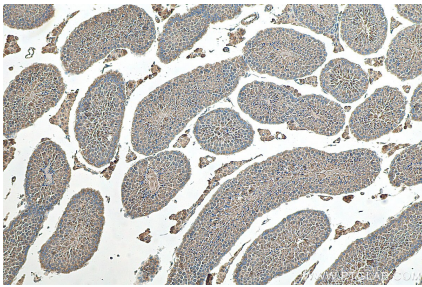
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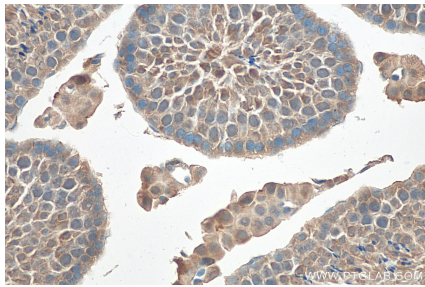
Selected Validation Data



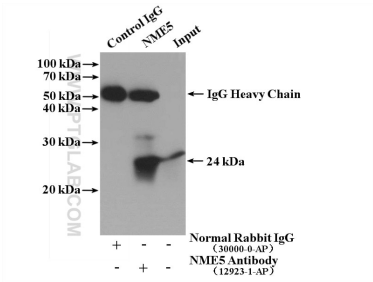
mouse testis tissue were subjected to SDS PAGE followed by western blot with 12923-1-AP (NME5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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.