

For Research Use Only

# PNMA5 Polyclonal antibody, PBS Only

Catalog Number:21770-1-PBS



## Basic Information

**Catalog Number:**

21770-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG16414

**GenBank Accession Number:**

BC101112

**GeneID (NCBI):**

114824

**UNIPROT ID:**

Q96PV4

**Full Name:**

paraneoplastic antigen like 5

**Calculated MW:**

448 aa, 50 kDa

**Observed MW:**

50 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, IHC, IF-P, Indirect ELISA

**Species Specificity:**

human, mouse

## Background Information

PNMA5 is a member of the paraneoplastic Ma antigen (PNMA) family proteins which share relatively conserved protein sequences and are involved in the regulation of growth, apoptosis, or fate determination in different cell types (PMID: 29378289). PNMA5 appears to be involved in the association areas of the neocortex during primate evolution (PMID: 19366867). PNMA5 has been reported to play roles in the pathological development and metastasis of some cancers, including colorectal cancer, ovarian cancer, and lung cancer (PMID: 35559417; 35117731; 34136487).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

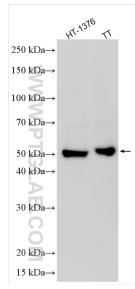
For technical support and original validation data for this product please contact:

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

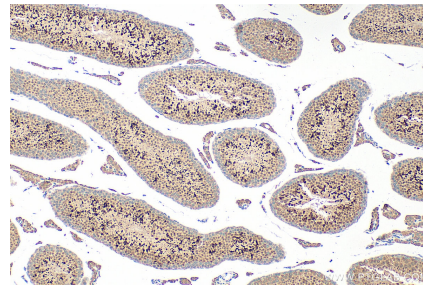
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

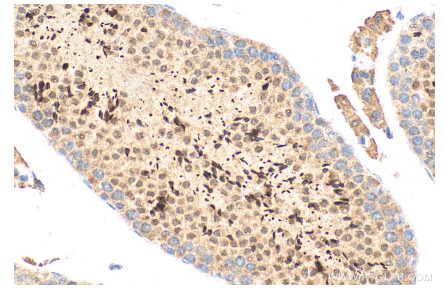
## Selected Validation Data



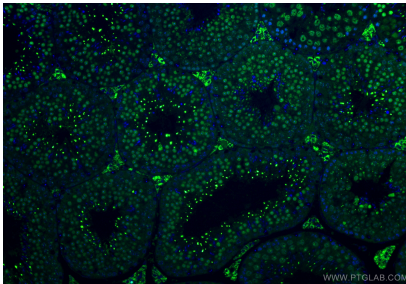
Various lysates were subjected to SDS PAGE followed by western blot with 21770-1-AP (PNMA5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 21770-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 21770-1-AP (PNMA5 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21770-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 21770-1-AP (PNMA5 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21770-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using PNMA5 antibody (21770-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21770-1-PBS in a different storage buffer formulation.