

For Research Use Only

# XPNPEP3 Polyclonal antibody

Catalog Number: 15655-1-AP



## Basic Information

**Catalog Number:**

15655-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG8007

**GenBank Accession Number:**

BC004989

**GeneID (NCBI):**

63929

**UNIPROT ID:**

Q9NQH7

**Full Name:**

X-prolyl aminopeptidase  
(aminopeptidase P) 3, putative

**Calculated MW:**

57 kDa

**Observed MW:**

57 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

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

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Species Specificity:**

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:** A431 cells, human testis tissue, human spleen  
tissue, PC-3 cells, 4T1 cells, mouse liver

**IP:** PC-3 cells,

**IHC:** human lung cancer tissue, human oesophagus  
tissue

## Background Information

XPNPEP3 gene encodes X-prolyl aminopeptidase 3 which functions to remove the penultimate N-terminal Proline residue from nascent proteins and appears to play a role in ciliary function. CRC tissue microarray revealed increased XPNPEP3 expression in tumor compared to matched normal samples (PMID:29383790). Other study found that XPNPEP3 localizes to mitochondria in renal cells in vitro and to kidney tubules in a cell type-specific pattern, and mutations in the gene are associated with NPHP-like disorder (PMID:20179356).

## 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

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

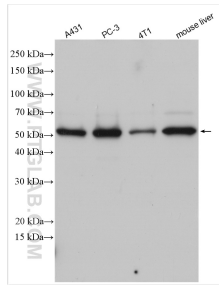
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

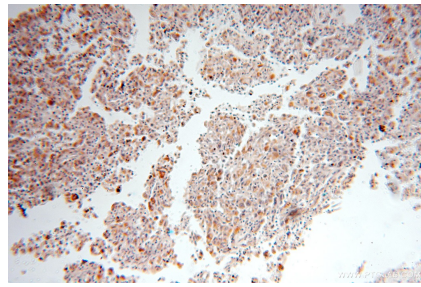
W: [ptgcn.com](http://ptgcn.com)

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

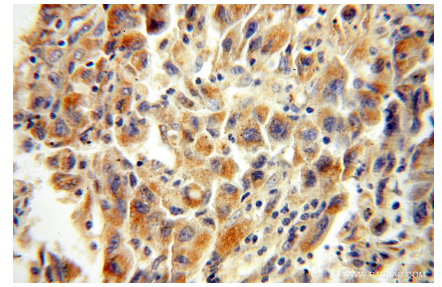
## Selected Validation Data



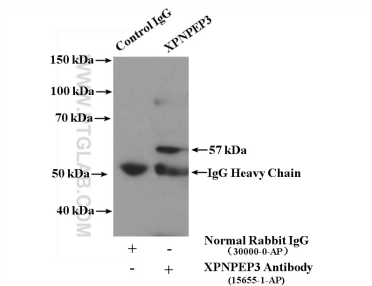
Various lysates were subjected to SDS PAGE followed by western blot with 15655-1-AP (XPNPEP3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer using 15655-1-AP (XPNPEP3 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer using 15655-1-AP (XPNPEP3 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-XPNPEP3 (IP:15655-1-AP, 4ug; Detection:15655-1-AP 1:400) with PC-3 cells lysate 2000ug.