

For Research Use Only

XPNPEP3 Polyclonal antibody

Catalog Number:15655-1-AP



Basic Information

Catalog Number:
15655-1-AP

Size:
150ul , Concentration: 500 ug/ml by
Nanodrop and 147 ug/ml by Bradford
method using BSA as the standard;

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 ug for 1.0-3.0 mg of total
protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, 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 : mouse liver 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

*** 20ul sizes contain 0.1% BSA

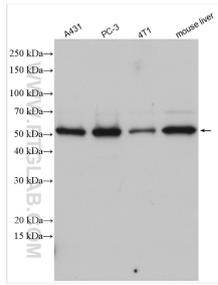
For technical support and original validation data for this product please contact:

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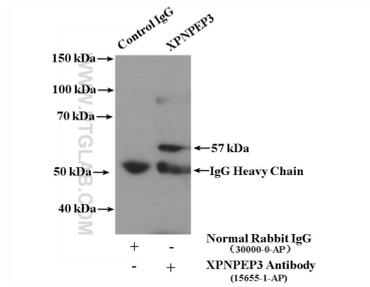
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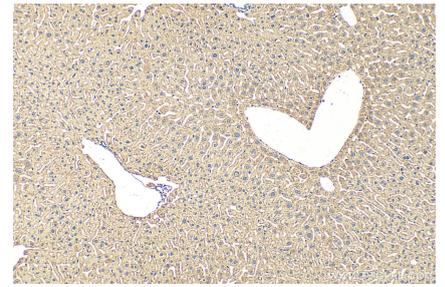
Selected Validation Data



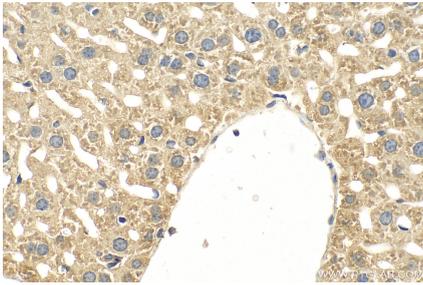
Various lysates were subjected to SDS PAGE followed by western blot with 15655-1-AP (XPNPEP3 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15655-1-AP (XPNPEP3 antibody) at dilution of 1:100 (under 10 \times lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 15655-1-AP (XPNPEP3 antibody) at dilution of 1:100 (under 40 \times lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).