

# NPT1 Polyclonal antibody

Catalog Number: 20751-1-AP

3 Publications

## Basic Information

**Catalog Number:**

20751-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG12819

**GenBank Accession Number:**

BC101745

**GeneID (NCBI):**

6568

**UNIPROT ID:**

Q14916

**Full Name:**

solute carrier family 17 (sodium phosphate), member 1

**Calculated MW:**

467 aa, 51 kDa

**Observed MW:**

50 kDa, 60-64 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2400

## Applications

**Tested Applications:**

WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse

**Positive Controls:**

WB : human placenta tissue, mouse kidney tissue

## Background Information

NPT1 (also known as SLC17A1) is a member of sodium-dependent inorganic phosphate transporters (NPT), which regulates entrance into the cellular membrane. NPT1 is mainly expressed in the kidney transporting small organic anions such as PAH (para-aminohippurate), but it is also found in the liver and brain. NPT1 localizes to the apical membrane of renal proximal tubular cells. NPT1 exists two isoforms due to the alternative splicing. Western blot analysis using this antibody detected a major band around 45-55 kDa in kidney tissue.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ruixia Bao	34785103	Phytomedicine	WB
Jing Xiao	29497172	Exp Mol Med	WB
Ruixia Bao	31920654	Front Pharmacol	WB

## 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

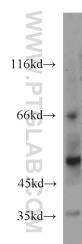
For technical support and original validation data for this product please contact:

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## Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 20751-1-AP (NPT1 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.