

For Research Use Only

# NAPRT1 Polyclonal antibody

Catalog Number: 13549-1-AP **15 Publications**



## Basic Information

**Catalog Number:**

13549-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4265

**GenBank Accession Number:**

BC032466

**GeneID (NCBI):**

93100

**UNIPROT ID:**

Q6XQN6

**Full Name:**

nicotinate phosphoribosyltransferase domain containing 1

**Calculated MW:**

514 aa, 55 kDa

**Observed MW:**

51 kDa, 56 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

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB, IHC, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, mouse

**Positive Controls:**

WB: mouse liver tissue, human colon tissue, HEK-293 cells, mouse kidney tissue, L02 cells, HepG2 cells

IP: HEK-293 cells,

## Background Information

Nicotinic acid (NA) is a coenzyme in cellular redox reactions, and is an essential component of metabolic pathways in all living cells. NAPRT1 (Nicotinate phosphoribosyltransferase) is essential for increasing cellular NAD levels and, thus, to prevent oxidative stress of cells. NAPRT1 converts Nicotinic acid (NA; niacin) to NA mononucleotide (NaMN), which is then converted to NA adenine dinucleotide (NaAD), and finally to nicotinamide adenine dinucleotide (NAD).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jack Mottahedeh	30258629	Cancer Metab	WB
Xinhui Liu	34603081	Front Physiol	WB
Xiaohan Jin	36243112	J Biol Chem	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:

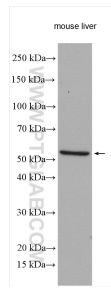
T: 4006900926

E: Proteintech-CN@ptglab.com

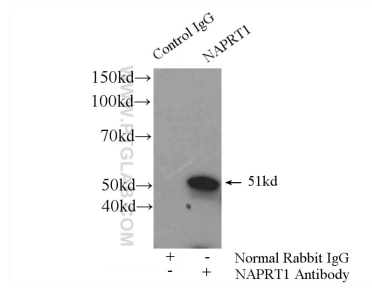
W: ptgcn.com

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## Selected Validation Data



Mouse liver tissue were subjected to SDS PAGE followed by western blot with 13549-1-AP (NAPRT1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-NAPRT1 (IP:13549-1-AP, 4ug; Detection:13549-1-AP 1:1000) with HEK-293 cells lysate 2800ug.