

NAPRT1 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20383a

Specification

NAPRT1 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	O6XQ6
Other Accession	O6XQ1 , O8CC86 , A5PK51
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	57578
Antigen Region	74-100

NAPRT1 Antibody (N-term) - Additional Information

Gene ID 93100

Other Names

Nicotinate phosphoribosyltransferase, NAPRTase, FHA-HIT-interacting protein, Nicotinate phosphoribosyltransferase domain-containing protein 1, NAPRT, FHIP, NAPRT1

Target/Specificity

This NAPRT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 74-100 amino acids from the N-terminal region of human NAPRT1.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NAPRT1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NAPRT1 Antibody (N-term) - Protein Information

Name NAPRT

Synonyms FHIP, NAPRT1

Function Catalyzes the first step in the biosynthesis of NAD from nicotinic acid, the ATP-dependent synthesis of beta-nicotinate D- ribonucleotide from nicotinate and 5-phospho-D-ribose 1-phosphate (PubMed:[17604275](#), PubMed:[21742010](#), PubMed:[26042198](#)). Helps prevent cellular oxidative stress via its role in NAD biosynthesis (PubMed:[17604275](#)).

Cellular Location

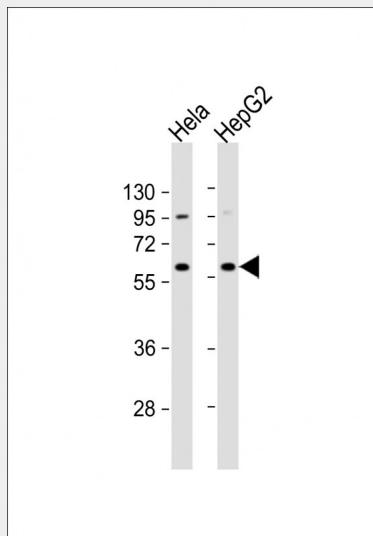
Cytoplasm, cytosol.

NAPRT1 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NAPRT1 Antibody (N-term) - Images



All lanes : Anti-NAPRT1 Antibody (N-term) at 1:1000 dilution Lane 1: HeLa whole cell lysate Lane 2: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 58 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

NAPRT1 Antibody (N-term) - Background

Catalyzes the conversion of nicotinic acid (NA) to NA mononucleotide (NaMN). Essential for NA to increase cellular NAD levels and prevent oxidative stress of the cells.