

## Product datasheet

info@arigobio.com

# ARG44072 anti-NAPRT antibody

Package: 50 μg Store at: -20°C

#### **Summary**

Product Description Rabbit Polyclonal recognizes NAPRT

Tested Reactivity Hu
Tested Application WB

**Host** Rabbit

**Clonality** Polyclonal

Isotype IgG

Target Name NAPRT
Species Human

Immunogen Human NAPRT recombinant protein (Position: A69-Q480).

Conjugation Un-conjugated

Alternate Names NAPRT; Nicotinate Phosphoribosyltransferase; PP3856; NAPRT1; Nicotinate Phosphoribosyltransferase

Domain-Containing Protein 1; Nicotinate Phosphoribosyltransferase Domain Containing 1; FHA-HIT-Interacting Protein; NAPRTase; Nicotinic Acid Phosphoribosyltransferase; EC 6.3.4.21; EC 2.4.2.11; FHIP

#### **Application Instructions**

Application table	Application	Dilution
	WB	0.25 - 0.5 μg/ml
Application Note	The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

#### **Properties**

Form Liquid

**Purification** Affinity purification with immunogen.

Buffer 0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.

Preservative 0.05% Sodium azide

Stabilizer 4% Trehalose

Concentration 0.5 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

#### Bioinformation

Gene Symbol NAPRT

Gene Full Name Nicotinate Phosphoribosyltransferase

Background Nicotinic acid (NA; niacin) is converted by nicotinic acid phosphoribosyltransferase (NAPRT; EC 2.4.2.11)

to NA mononucleotide (NaMN), which is then converted to NA adenine dinucleotide (NaAD), and finally to nicotinamide adenine dinucleotide (NAD), which serves as a coenzyme in cellular redox reactions and is an essential component of a variety of processes in cellular metabolism including response to stress.

Function Catalyzes the first step in the biosynthesis of NAD from nicotinic acid, the ATP-dependent synthesis of

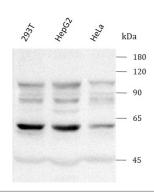
beta-nicotinate D-ribonucleotide from nicotinate and 5-phospho-D-ribose 1-phosphate.

Calculated Mw 58 kDa

PTM Phosphoprotein

Cellular Localization Cytoplasm

### **Images**



#### ARG44072 anti-NAPRT antibody WB image

Western blot: 293T, HepG2 and Hela stained with ARG44072 anti-NAPRT antibody at 0.5  $\mu g/mL$  dilution.