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NAPRT1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20383a

Product Information

Application	WB, E
Primary Accession	Q6XQN6
Other Accession	Q6XQN1, Q8CC86, A5PK51
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42884
Calculated MW	57578
Antigen Region	74-100

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 E~~Use at an assay dependent concentration.
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.

Protein Information

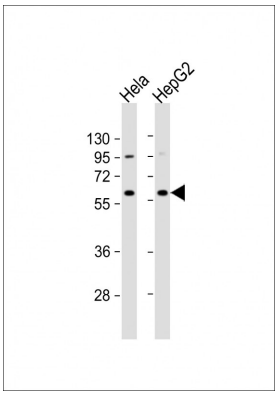
Name	NAPRT
Synonyms	FHIP, NAPRT1

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.

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.

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.