10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NAPRT1 Recombinant Mouse mAb

Catalog # AP96354

Product Information

Application	WB
Predicted	Human
Host	Mouse
Clonality	Recombinant
Physical State	Liquid
Isotype	Ig2A/Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the NAPRTase family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 (Hara et al., 2007).[supplied by OMIM, Mar 2008]

Additional Information

Other Names	NAPRT1; PP3856; 9130210N20Rik; zgc:77870; PNCB_BOVIN; NAPRT; NAPRTase; Nicotinate phosphoribosyltransferase domain-containing protein 1; 6.3.4.21; PNCB_HUMAN; FHA-HIT-interacting protein; FHIP; PNCB_MOUSE; PNCB_RAT; PNCB_DANRE; nicotinate phosphoribosyltransferase; nicotinate phosphoribosyltransferase domain containing 1
Dilution	WB=1:500-1000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	NAPRT1 Recombinant Mouse mAb
Function	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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.