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NAD Synthetase Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57343

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6IA69
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79285
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human NAD Synthetase
Epitope Specificity	231-330/706
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	In the C-terminal section; belongs to the NAD synthetase family. Contains 1 CN hydrolase domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Nicotinamide adenine dinucleotide (NAD) is a coenzyme in metabolic redox reactions, a precursor for several cell signaling molecules, and a substrate for protein posttranslational modifications. NAD synthetase catalyzes the final step in the biosynthesis of NAD from nicotinic acid adenine dinucleotide (NaAD)

Additional Information

Gene ID	55191
Other Names	Glutamine-dependent NAD(+) synthetase, 6.3.5.1, NAD(+) synthase [glutamine-hydrolyzing], NAD(+) synthetase, NADSYN1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
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.

Protein Information

Name	NADSYN1
Function	Catalyzes the final step of the nicotinamide adenine dinucleotide (NAD) de novo synthesis pathway, the ATP-dependent amidation of deamido-NAD using L-glutamine as a nitrogen source.