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[Primary Antibody]

Rabbit Anti-NADPH antibody

Catalog Number: SL1537R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	NADPH
Immunogen:	KLH conjugated NADPH
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ELISA (1:5000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	(predicted: Species independent)
Predicted MW.:	0.833kDa
Background:	NDAPH (nicotinamide adenine dinucleotide phosphate) includes of Alpha-NADPH and Beta-NADPH. Beta-NADPH hase activity only. Beta-Nicotinamide adenine dinucleotide 2'-phosphate reduced tetrasodium salt or triphosphopyridine nucleotide reduced tetrasodium salt, also known as Coenzyme II. β-Nicotinamide adenine dinucleotide 2′-phosphate (NADP+) and β-Nicotinamide adenine dinucleotide 2′-phosphate, reduced (NADPH) comprise a coenzyme redox pair (NADP+:NADPH) involved in a wide range of enzyme catalyzed oxidation reduction reactions. The NADP+/NADPH redox pair facilitates electron transfer in anabolic reactions such as lipid and cholesterol biosynthesis and fatty acyl chain elongation. The NADP+/NADPH redox pair is used in a variety of antioxidation mechanism where it protects agains reactive oxidation species accumulation. NADPH is generated in vivio by the pentose phosphate pathway (PPP). **SWISS:** N/A CAS: N/A

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.