
NADPH Rabbit pAb

Catalog Number: bs-1537R

Target Protein: NADPH

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: ELISA (1:5000-10000)

Reactivity: NADPH

Predicted MW: 0.833 kDa

Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: NDAPH (nicotinamide adenine dinucleotide phosphate) includes of Alpha-NADPH and Beta-NADPH. Beta-NADPH has 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 against reactive oxidation species accumulation. NADPH is generated in vivo by the pentose phosphate pathway (PPP).