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Datasheet for ABIN7161664
anti-NMRAL1 antibody (AA 1-299) (HRP)

Overview

Quantity:	100 µg
Target:	NMRAL1
Binding Specificity:	AA 1-299
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMRAL1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human NmrA-like family domain-containing protein 1 protein (1-299AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	NMRAL1
Alternative Name:	NMRAL1 (NMRAL1 Products)
Background:	Background: Redox sensor protein. Undergoes restructuring and subcellular redistribution in response to changes in intracellular NADPH/NADP(+) levels. At low NADPH concentrations the

Target Details

protein is found mainly as a monomer, and binds argininosuccinate synthase (ASS1), the enzyme involved in nitric oxide synthesis. Association with ASS1 impairs its activity and reduces the production of nitric oxide, which subsequently prevents apoptosis. Under normal NADPH concentrations, the protein is found as a dimer and hides the binding site for ASS1. The homodimer binds one molecule of NADPH. Has higher affinity for NADPH than for NADP(+). Binding to NADPH is necessary to form a stable dimer.

Aliases: FLJ25918 antibody, HSCARG antibody, NmrA like family domain containing 1 antibody, NmrA like family domain containing protein 1 antibody, NmrA-like family domain-containing protein 1 antibody, NMRAL1 antibody, NMRL1_HUMAN antibody, SDR48A1 antibody

UniProt: [Q9HBL8](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.