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Datasheet for ABIN7161661  
**anti-NMRAL1 antibody (AA 1-299)**

1 Image

### Overview

Quantity:	100 µg
Target:	NMRAL1
Binding Specificity:	AA 1-299
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NMRAL1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

### 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 ( <a href="#">NMRAL1 Products</a> )
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

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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

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UniProt: [Q9HBL8](#)

## Application Details

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Application Notes: Recommended dilution: IF:1:200-1:500,

Restrictions: For Research Use only

## Handling

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Format: Liquid

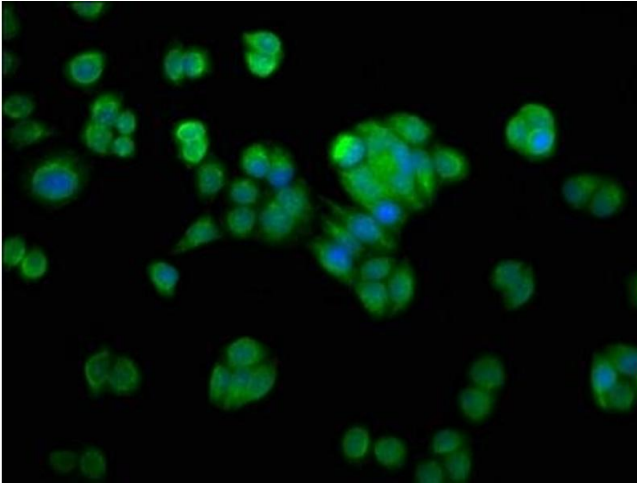
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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.



### Immunofluorescence

**Image 1.** Immunofluorescence staining of PC-3 cells with ABIN7161661 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).