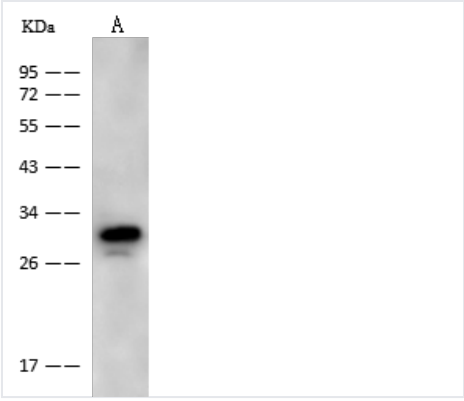
NMRAL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NMRAL1, Polyclonal Antibody
Full Product Name	Anti-NMRAL1 Antibody, Rabbit Polyclonal
Product Gene Name	anti-NMRAL1 antibody
Product Synonym Names	NMRAL1 Antibody, Rabbit PAb, Antigen Affinity Purified; NmrA-like family domain containing 1; Anti-HSCARG Antibody; Anti-SDR48A1 Antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Purity/Purification	Protein A & Antigen Affinity
Specificity	Human NMRAL1
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.
Molecular Weight	33,344 Da
3D Structure	ModBase 3D Structure for Q9HBL8
Immunogen	A synthetic peptide corresponding to the center region of the Human NMRAL1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human NMRAL1, and purified by antigen affinity chromatography.
Applications Tested/Suitable for anti-NMRAL1 antibody	Western Blot (WB)
Application Notes for anti-NMRAL1 antibody	WB: 1:500-1:2000
Related Product Information for anti-NMRAL1 antibody	NMRAL1 (NmrA Like Redox Sensor 1) is a Protein Coding gene. This gene encodes an NADPH sensor protein that preferentially binds to NADPH. It belongs to the NmrA-type oxidoreductase family. The encoded protein also negatively regulates the activity of NF-kappaB in a ubiquitylation-dependent manner. It plays a key role in cellular antiviral response by negatively regulating the interferon response factor 3-mediated expression of interferon-beta. NMRA-like proteins belong to a class of conserved transcriptional regulators that function as direct sensors of the metabolic state of the cell and link basic metabolism to changes in gene expression. Diseases associated with NMRAL1 include Ectrodactyly, Ectodermal Dysplasia, And Cleft Lip/Palate Syndrome 1, and Kabuki Syndrome 1.
Other Notes	Small volumes of anti-NMRAL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NMRAL1 purchase	MBS8102811 is an antibody targeting NMRAL1. Also known as Anti-NMRAL1 Antibody, Rabbit Polyclonal. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NMRAL1 antibody
Anti-NMRAL1 rabbit polyclonal antibody at 1:500 dilution Lane A: Hela Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size:33 kDa

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NMRAL1. It may not necessarily be applicable to this product.

NCBI GI #	10190720
NCBI GeneID	57407
NCBI Accession #	NP_065728.1
UniProt Primary Accession #	Q9HBL8
UniProt Related Accession #	Q9HBL8
GenBank Nucleotide #	NM_020677.4
NCBI Official Full Name	nmrA-like family domain-containing protein 1
NCBI Official Synonym Full Names	NmrA-like family domain containing 1
NCBI Official Symbol	NMRAL1
NCBI Official Synonym Symbols	HSCARG; SDR48A1
UniProt Protein Name	NmrA-like family domain-containing protein 1
Protein Family	NmrA-like family domain-containing protein
UniProt Gene Name	NMRAL1
UniProt Synonym Gene Names	HSCARG
UniProt Entry Name	NMRL1_HUMAN
NCBI Protein Information	nmrA-like family domain-containing protein 1; short chain dehydrogenase/reductase family 48A, member 1
NCBI Summary for NMRAL1	This gene encodes an NADPH sensor protein that preferentially binds to NADPH. The encoded protein also negatively regulates the activity of NF-kappaB in a ubiquitylation-dependent manner. It plays a key role in cellular antiviral response by negatively regulating the interferon response factor 3-mediated expression of interferon beta. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Feb 2015]
UniProt Comments for NMRAL1	NMRAL1: disulfide-linked (Probable). Belongs to the NmrA-type oxidoreductase family. Chromosomal Location of Human Ortholog: 16p13.3 Cellular Component: perinuclear region of cytoplasm; cytoplasm; nucleus
Research Articles on NMRAL1	**1.** After viral infection, HSCARG interacted with tumor necrosis receptor-associated factor 3 (TRAF3) and inhibited its ubiquitination by promoting the recruitment of OTUB1 to TRAF3.

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