anti- NMRAL1 antibody

Product Information

Catalog No.:	FNab05769
Size:	100μg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20℃ for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Redox sensor protein. Undergoes restructuring and subcellular redistribution in response to changes in intracellular NADPH/NADP(+) levels. At low NADPH concentrations the 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 subsecuently 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.

Immunogen information

Immunogen:	NmrA-like family domain containing 1
Synonyms:	HSCARG
Observed MW:	33 kDa
Uniprot ID :	Q9HBL8

Application

Wuhan Fine Biotech Co., Ltd.

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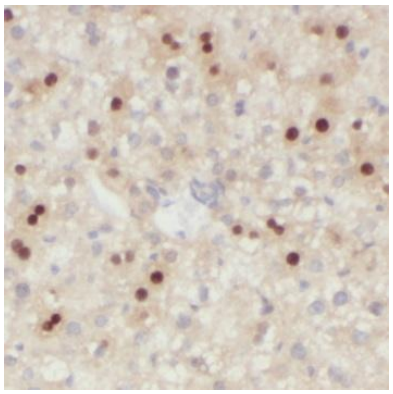
Reactivity: Human, Mouse, Rat

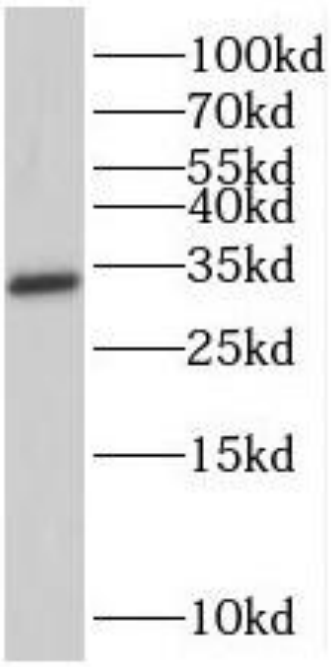
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human liver using FNab05769(NMRAL1 antibody) at dilution of 1:50



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab05769(NMRAL1 antibody) at dilution of 1:500

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