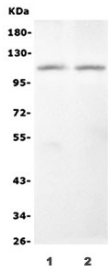
Monkey NOD1 Antibody / CARD4 (RQ5831)

Catalog No.	Formulation	Size
RQ5831	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9Y239
Applications	Western blot: 0.5-1ug/ml
Limitations	This Monkey NOD1 antibody is available for research use only.



Western blot testing of monkey 1) heart and 2) skeletal muscle with Monkey NOD1 antibody. Predicted molecular weight: ~107 kDa.

Description

Nucleotide-binding oligomerization domain-containing protein 1, also known as CARD4, is a protein receptor that in humans is encoded by the NOD1 gene. NOD1 is a member of NOD-like receptor protein family and is a close relative of NOD2. NOD1 is mapped to 7p14.3. It recognizes bacterial molecules and stimulates an immune reaction. NOD1 protein contains a caspase recruitment domain (CARD). This gene is an intracellular pattern recognition receptor, which is similar in structure to resistant proteins of plants, and mediates innate and acquired immunity by recognizing bacterial molecules containing D-glutamyl-meso-diaminopimelic acid (iE-DAP) moiety. What wore, it has been shown that NOD1 can sense cytosolic microbial products by monitoring the activation state of small Rho GTPases.

Application Notes

Optimal dilution of the Monkey NOD1 antibody should be determined by the researcher.

Immunogen

Amino acids NQTLKHLWLIQNQITAK were used as the immunogen for the Monkey NOD1 antibody.

Storage

After reconstitution, the Monkey NOD1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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