Datasheet for ABIN7600068

anti-NADK2 antibody (AA 145-442)

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Overview

Quantity:	100 µg
Target:	NADK2
Binding Specificity:	AA 145-442
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NADK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-C5orf33/NADK2 Antibody Picoband®
Immunogen:	E.coli-derived human C5orf33/NADK2 recombinant protein (Position: D145-Q442).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-C5orf33/NADK2 Antibody Picoband® (ABIN7600068). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NADK2
Alternative Name:	NADK2 (NADK2 Products)
Background:	Synonyms: Peflin, PEF protein with a long N-terminal hydrophobic domain, Penta-EF hand domain-containing protein 1, PEF1, ABP32, UNQ1845, PRO3573 Tissue Specificity: Pre-B-cells and B-cells but not terminally differentiated plasma cells. Background: This gene encodes a mitochondrial kinase that catalyzes the phosphorylation of NAD to yield NADP. Mutations in this gene result in 2,4-dienoyl-CoA reductase deficiency. Alternative splicing results in multiple transcript variants.
Molecular Weight:	53 kDa
Gene ID:	133686
UniProt:	Q4G0N4

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Hartz, P. A. Personal Communication. Baltimore, Md. 5/12/2014. 2. Houten, S. M., Denis, S., te Brinke, H., Jongejan, A., van Kampen, A. H. C., Bradley, E. J., Baas, F., Hennekam, R. C. M., Millington, D. S., Young, S. P., Frazier, D. M., Gucsavas-Calikoglu, M., Wanders, R. J. A. Mitochondrial NADP(H) deficiency due to a mutation in NADK2 causes dienoyl-CoA reductase deficiency with hyperlysinemia. Hum. Molec. Genet. 23: 5009-5016, 2014. 3. Ohashi, K., Kawai, S., Murata, K. Identification and characterization of a human mitochondrial NAD kinase. Nature Commun. 3: 1248, 2012. Note: Electronic Article.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.

Handling

Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.