

Datasheet for ABIN7599416
anti-NUDT12 antibody (AA 1-462)



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Overview

Quantity:	100 µg
Target:	NUDT12
Binding Specificity:	AA 1-462
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUDT12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NUDT12 Antibody Picoband®
Immunogen:	E.coli-derived human NUDT12 recombinant protein (Position: M1-L462). Human NUDT12 shares 87.9% amino acid (aa) sequence identity with mouse NUDT12.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NUDT12 Antibody Picoband® (ABIN7599416). Tested in WB, Flow Cytometry, ELISA 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:	NUDT12
Alternative Name:	NUDT12 (NUDT12 Products)
Background:	<p>Synonyms: NUDT12, Peroxisomal NADH pyrophosphatase NUDT12, EC 3.6.1.22, Nucleoside diphosphate-linked moiety X motif 12, Nudix motif 12</p> <p>Background: Peroxisomal NADH pyrophosphatase NUDT12 is an enzyme that in humans is encoded by the NUDT12 gene. Nucleotides are involved in numerous biochemical reactions and pathways within the cell as substrates, cofactors, and effectors. Nudix hydrolases, such as NUDT12, regulate the concentrations of individual nucleotides and of nucleotide ratios in response to changing circumstances.</p>
Molecular Weight:	47 kDa
Gene ID:	83594

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL</p> <p>1. Abdelraheim, S. R., Spiller, D. G., McLennan, A. G. Mammalian NADH diphosphatases of the Nudix family: cloning and characterization of the human peroxisomal NUDT12 protein. Biochem. J. 374: 329-335, 2003.</p>
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.
Storage:	4 °C,-20 °C
Storage Comment:	<p>At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.</p> <p>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.</p>