

Datasheet for ABIN7599136
anti-NUDT7 antibody (AA 1-238)



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Overview

Quantity:	100 µg
Target:	NUDT7
Binding Specificity:	AA 1-238
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUDT7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NUDT7 Antibody Picoband®
Immunogen:	E.coli-derived human NUDT7 recombinant protein (Position: M1-L238). Human NUDT7 shares 67.2% amino acid (aa) sequence identity with mouse NUDT7.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NUDT7 Antibody Picoband® (ABIN7599136). Tested in WB, IHC, 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:	NUDT7
Alternative Name:	NUDT7 (NUDT7 Products)
Background:	<p>Synonyms: NUDT7, Peroxisomal coenzyme A diphosphatase NUDT7, EC 3.6.1.-, Nucleoside diphosphate-linked moiety X motif 7, Nudix motif 7</p> <p>Background: The protein encoded by this gene is a member of the Nudix hydrolase family. Nudix hydrolases eliminate potentially toxic nucleotide metabolites from the cell and regulate the concentrations and availability of many different nucleotide substrates, cofactors, and signaling molecules. Alternatively spliced transcript variants encoding multiple isoforms have been found for this gene.</p>
Molecular Weight:	27 kDa
Gene ID:	283927
UniProt:	P0C024
Pathways:	Brown Fat Cell Differentiation

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry, 2-5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL</p> <p>1. Gasmi, L., McLennan, A. G. The mouse Nudt7 gene encodes a peroxisomal nudix hydrolase specific for coenzyme A and its derivatives. Biochem. J. 357: 33-38, 2001. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 3/3/2005.</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 Na ₂ HPO ₄ .
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.