

Datasheet for ABIN7601955 **anti-NUDT19 antibody (AA 52-375)**



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Overview

Quantity:	100 µg
Target:	NUDT19
Binding Specificity:	AA 52-375
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUDT19 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

Purpose:	Anti-NUDT19 Antibody Picoband®
Immunogen:	E.coli-derived human NUDT19 recombinant protein (Position: H52-L375). Human NUDT19 shares 66.4% and 65.8% amino acid (aa) sequence identity with mouse and rat NUDT19, respectively.
Characteristics:	Anti-NUDT19 Antibody Picoband® (ABIN7601955). Tested in WB, IHC, Flow Cytometry, ELISA applications. This antibody reacts with Human, 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:	NUDT19
Alternative Name:	NUDT19 (NUDT19 Products)
Background:	NUDT19 (nudix (nucleoside diphosphate linked moiety X)-type motif 19), also known as RP2, is a 375 amino acid protein and coenzyme A diphosphatase that assists in the hydrolysis of CoA esters. A member of the nudix hydrolase family, NUDT19 contains one nudix hydrolase domain and localizes to both mitochondria and peroxisome. NUDT19 utilizes magnesium and/or manganese as cofactors and is encoded by a gene that maps to human chromosome 19q13.11. Chromosome 19 consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes.
Molecular Weight:	40 kDa
Gene ID:	390916

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry, 2-5 µg/mL, Human, Rat Flow Cytometry (Fixed), 1-3 µg/1x10 ⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Lan, C., Wang, Y., Su, X., Lu, J., & Ma, S. (2021). LncRNA LINC00958 activates mTORC1/P70S6K signalling pathway to promote epithelial-mesenchymal transition process in the hepatocellular carcinoma. Cancer Investigation, 39(6-7), 539-549. 2. Ofman, R., Speijer, D., Leen, R., & Wanders, R. J. (2006). Proteomic analysis of mouse kidney peroxisomes: identification of RP2p as a peroxisomal nudix hydrolase with acyl-CoA diphosphatase activity. Biochemical Journal, 393(2), 537-543. 3. Gendep Investigators, Mars Investigators, & Star* D Investigators. (2013). Common genetic variation and antidepressant efficacy in major depressive disorder: a meta-analysis of three genome-wide pharmacogenetic studies. American Journal of Psychiatry, 170(2), 207-217.
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

Handling

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.