

Datasheet for ABIN7599224
anti-NUDT18 antibody (AA 1-291)



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Overview

Quantity:	100 µg
Target:	NUDT18
Binding Specificity:	AA 1-291
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUDT18 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA

Product Details

Purpose:	Anti-NUDT18 Antibody Picoband®
Immunogen:	E.coli-derived human NUDT18 recombinant protein (Position: M1-R291). Human NUDT18 shares 82.8% and 83.2% amino acid (aa) sequence identity with mouse and rat NUDT18, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-NUDT18 Antibody Picoband® (ABIN7599224). 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.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: NUDT18

Alternative Name: NUDT18 ([NUDT18 Products](#))

Background: Synonyms: NUDT18, MTH3, 8-oxo-dGDP phosphatase NUDT18, EC 3.6.1.58, 2-hydroxy-dADP phosphatase, 7,8-dihydro-8-oxoguanine phosphatase, MutT homolog 3, Nucleoside diphosphate-linked moiety X motif 18, Nudix motif 18

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. This protein contains a Nudix hydrolase domain and hydrolyzes oxidized forms of guanosine and deoxyguanosine diphosphates.

Molecular Weight: 36 kDa

Gene ID: 79873

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat
Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human
ELISA, 0.1-0.5 µg/mL
1. Hartz, P. A. Personal Communication. Baltimore, Md. 5/13/2014. 2. Takagi, Y., Setoyama, D., Ito, R., Kamiya, H., Yamagata, Y., Sekiguchi, M. Human MTH3 (NUDT18) protein hydrolyzes oxidized forms of guanosine and deoxyguanosine diphosphates: comparison with MTH1 and MTH2. J. Biol. Chem. 287: 21541-21549, 2012.

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.