

DATASHEET

NUDT5 Rabbit Polyclonal Antibody

CAT. NO. APA16349

KEY FEATURES

Target	NUDT5	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at-20°C

BACKGROUND

Enzyme that can either act as an ADP-sugar pyrophosphatase in absence of diphosphate or catalyze the synthesis of ATP in presence of diphosphate . In absence of diphosphate, hydrolyzes with similar activities various modified nucleoside diphosphates such as ADP-ribose, ADP-mannose, ADP-glucose, 8-oxo-GDP and 8-oxo-dGDP . Can also hydrolyze other nucleotide sugars with low activity . In presence of diphosphate, mediates the synthesis of ATP in the nucleus by catalyzing the conversion of ADP-ribose to ATP and ribose 5-phosphate. Nuclear ATP synthesis takes place when dephosphorylated at Thr-45 . Nuclear ATP generation is required for extensive chromatin remodeling events that are energy-consuming .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
----	----------------

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

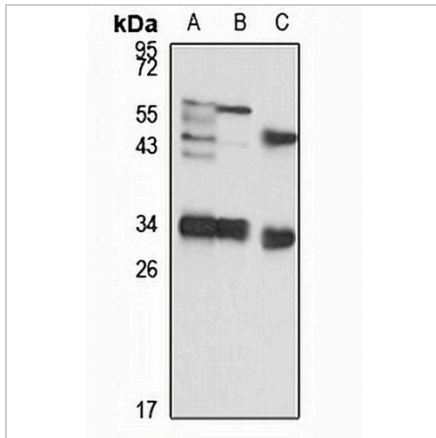
Description	Rabbit polyclonal antibody to NUDT5
Specificity	Recognizes endogenous levels of NUDT5 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human NUDT5. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 24 kD; Observed: 34 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	ADP-sugar pyrophosphatase; 8-oxo-dGDP phosphatase; Nucleoside diphosphate-linked moiety X motif 5; Nudix motif 5; YSA1H
Gene Symbol	NUDT5
Entrez Gene	11164(Human); 53893(Mouse); 361274(Rat)
SwissProt	Q9UKK9(Human); Q9JKX6(Mouse); Q6AY63(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET**NUDT5 Rabbit Polyclonal Antibody**

CAT. NO. APA16349

DATA

Western blot analysis of NUDT5 expression in HT1080 (A), mouse liver (B), rat kidney (C) whole cell lysates. (Predicted band size: 24 kD; Observed band size: 34 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.