

Rabbit NUDT9 Polyclonal Antibody | anti-NUDT9 antibody

Anti-NUDT9 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127491	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

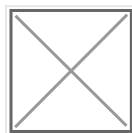
PRODUCT SYNONYMS

NUDT9; Polyclonal Antibody; Anti-NUDT9 Antibody Picoband; anti-NUDT9 antibody

PRODUCT SPECIFICATIONS

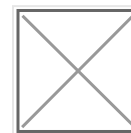
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NUDT9 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human NUDT9 recombinant protein (Position: R4-L350). Human NUDT9 shares 89.3% and 89% amino acid (aa) sequence identity with mouse and rat NUDT9, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of A431 cells using anti-NUDT9 antibody (AAA127491).Overlay histogram showing A431 cells stained with AAA127491 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NUDT9 Antibody (AAA127491, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



IF (Immunofluorescence)

Figure 2. IF analysis of NUDT9 using anti-NUDT9 antibody (AAA127491).NUDT9 was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-NUDT9 Antibody (AAA127491) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of NUDT9 using anti-NUDT9 antibody (AAA127491). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Raji whole cell lysates, Lane 2: human A431 whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human U2OS whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: rat testis tissue lysates, Lane 7: mouse brain tissue lysates, Lane 8: mouse testis tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NUDT9 antigen affinity purified polyclonal antibody (#AAA127491) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NUDT9 at approximately 39 kDa. The expected band size for NUDT9 is at 39 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NUDT9 antibody	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 Categories/Family for anti-NUDT9 antibody	Primary Antibodies
References	1. Perraud, A.-L., Fleig, A., Dunn, C. A., Bagley, L. A., Launay, P., Schmitz, C., Stokes, A. J., Zhu, Q., Bessman, M. J., Penner, R., Kinet, J.-P., Scharenberg, A. M. ADP-ribose gating of the calcium-permeable LTRPC2 channel revealed by Nudix motif homology. Nature 411: 595-599, 2001.

NCBI AND UNIPROT INFORMATION

NCBI GI #	351722365
NCBI GeneID	53343
NCBI Accession #	NP_001234940.1
NCBI GenBank Nucleotide #	NM_001248011.1
UniProt Accession #	Q9BW91; Q8NBN1; Q8NCB9; Q8NG25
Molecular Weight	33,776 Da
NCBI Official Full Name	ADP-ribose pyrophosphatase, mitochondrial isoform c
NCBI Official Synonym Full Names	nudix (nucleoside diphosphate linked moiety X)-type motif 9
NCBI Official Symbol	NUDT9
NCBI Official Synonym Symbols	NUDT10
NCBI Protein Information	ADP-ribose pyrophosphatase, mitochondrial; ADP-ribose diphosphatase; ADP-ribose phosphohydrolase; ADP-ribose pyrophosphatase NUDT9; ADPR-PPase; adenosine diphosphoribose pyrophosphatase; nucleoside diphosphate linked moiety X-type motif 9
UniProt Protein Name	ADP-ribose pyrophosphatase, mitochondrial
UniProt Gene Name	NUDT9
UniProt Synonym Gene Names	NUDT10; ADPR-PPase; Nudix motif 9
UniProt Entry Name	NUDT9_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nudt9-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/127491>