

Rabbit anti-Human NUDT5 Polyclonal Antibody | anti-NUDT5 antibody

Anti-NUDT5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255627	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

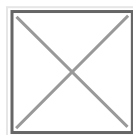
PRODUCT SYNONYMS

NUDT5; Polyclonal Antibody; Anti-NUDT5 Antibody; Rabbit Polyclonal; ADP-sugar Pyrophosphatase/NUDT5 Antibody; Rabbit PAb; Antigen Affinity Purified; nudix (nucleoside diphosphate linked moiety X)-type motif 5; Anti-hYSAH1 Antibody; Anti-YSA1 Antibody; Anti-YSA1H Antibody; Anti-YSAH1 Antibody; anti-NUDT5 antibody

PRODUCT SPECIFICATIONS

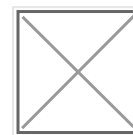
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human ADP-sugar Pyrophosphatase/NUDT5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NUDT5 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human ADP-sugar Pyrophosphatase/NUDT5 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human ADP-sugar Pyrophosphatase/NUDT5 (rh ADP-sugar Pyrophosphatase/NUDT5). ADP-sugar Pyrophosphatase/NUDT5 specific IgG was purified by Human ADP-sugar Pyrophosphatase/NUDT5 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)

Anti-NUDT5 rabbit polyclonal antibody at 1:500 dilution Lane A: NUDT5 konckout Hela Whole Cell Lysate Lane B: Hela Whole Cell Lysate Lysates/proteins at 10 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 24 kDa Observed band size: 35 kDa



IP (Immunoprecipitation)

NUDT5 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate 2 uL anti-NUDT5 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-NUDT5 rabbit polyclonal antibody, at 1:200 dilution Secondary antibody: DyLight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 24 kDa Observed band size: 35 kDa



WB (Western Blot)

Anti-NUDT5 rabbit polyclonal antibody at 1:500 dilution Lane A: HeLa Whole Cell
Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L
(Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under
reducing conditions. Predicted band size: 24 kDa Observed band size: 35 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-NUDT5 antibody	NUDT5 (Nudix Hydrolase 5) is a Protein Coding gene. This gene belongs to the Nudix (nucleoside diphosphate linked moiety X) hydrolase superfamily. The encoded enzyme catalyzes the hydrolysis of modified nucleoside diphosphates. ADP-sugar Pyrophosphatase, also known as NUDT5, eliminates toxic nucleotide derivatives from the cell and regulates the levels of important signaling nucleotides and their metabolites. It is widely expressed in the liver, skin, and other tissues. NUDT5 functions as a MutT-related protein and catalyzes the hydrolysis of 8-oxoGDP to 8-oxoGMP, thereby preventing misincorporation of 8-oxoGua into RNA. NUDT5 may play significant roles in regulating the G1-S transition in mammalian cells. It can also hydrolyze other nucleotide sugars with low activity.
Product Categories/Family for anti-NUDT5 antibody	Phosphatases and Regulators
References	Ishibashi T. et al., 2004, EMBO Rep. 4 (5): 479-8. Gerhard DS. et al., 2004, Genome Res. 14 (10B): 2121-7. Rush J. et al., 2005, Nat Biotechnol. 23 (1): 94-101. Kamiya H. et al., 2009, DNA Repair. 8 (10): 1250-4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37594464
NCBI GeneID	11164
NCBI Accession #	NP_054861.2
NCBI GenBank Nucleotide #	NM_014142.2
UniProt Accession #	Q9UKK9; Q6IAG0; Q9UH49; A8K516
Molecular Weight	24,328 Da
NCBI Official Full Name	ADP-sugar pyrophosphatase
NCBI Official Synonym Full Names	nudix (nucleoside diphosphate linked moiety X)-type motif 5
NCBI Official Symbol	NUDT5
NCBI Official Synonym Symbols	YSA1; YSA1H; YSAH1; hYSAH1
NCBI Protein Information	ADP-sugar pyrophosphatase; 8-oxo-dGDP phosphatase
UniProt Protein Name	ADP-sugar pyrophosphatase
UniProt Gene Name	NUDT5
UniProt Synonym Gene Names	Nudix motif 5
UniProt Entry Name	NUDT5_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.