10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

KO-Validated Anti-Nudix Hydrolase 19 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI2427

Specification

KO-Validated Anti-Nudix Hydrolase 19 Rabbit Monoclonal Antibody - Product Information

Application	**WB, FC**
Primary Accession	A8MXV4
Reactivity	**Human**
Clonality	**Monoclonal**
Isotype	**Rabbit IgG**
Calculated MW	**Predicted, 42 kDa; observed, 42 kDa KDa**
Gene Name	**NUDT19**
Aliases	**Nudix Hydrolase 19; RP2; Nudix (Nucleoside Diphosphate Linked Moiety X)-Type Motif 19; Acyl-Coenzyme A Diphosphatase NUDT19; Nudix Motif 19; Nucleoside Diphosphate-Linked Moiety X Motif 19, Mitochondrial; Nucleoside Diphosphate-Linked Moiety X Motif 19; CTC-379B2.4; EC 3.6.1.-; EC 3.6.1**
Immunogen	**A synthesized peptide derived from human NUDT19**

KO-Validated Anti-Nudix Hydrolase 19 Rabbit Monoclonal Antibody - Additional Information

Gene ID	**390916**

Other Names
Acyl-coenzyme A diphosphatase NUDT19, 3.6.1.-, 3.6.1.77, Nucleoside diphosphate-linked moiety X motif 19, Nudix motif 19, NUDT19

KO-Validated Anti-Nudix Hydrolase 19 Rabbit Monoclonal Antibody - Protein Information

Name NUDT19

Function
Fatty acyl-coenzyme A (CoA) diphosphatase that hydrolyzes fatty acyl-CoA to yield acyl-4'-phosphopantetheine and adenosine 3',5'- bisphosphate (By similarity). Mediates the hydrolysis of a wide range of CoA esters, including choloyl-CoA and branched-chain fatty-acyl-CoA esters and at low substrate concentrations medium and long-chain fatty- acyl-CoA esters are the primary substrates (By similarity). Highest activity seen with medium-chain acyl-CoA esters and higher rates of activity seen with the unsaturated acyl-CoA esters compared with the saturated esters (By similarity). Exhibits decapping activity towards dpCoA-capped RNAs in vitro (By similarity).

Cellular Location
Peroxisome {ECO:0000250|UniProtKB:P11930}.

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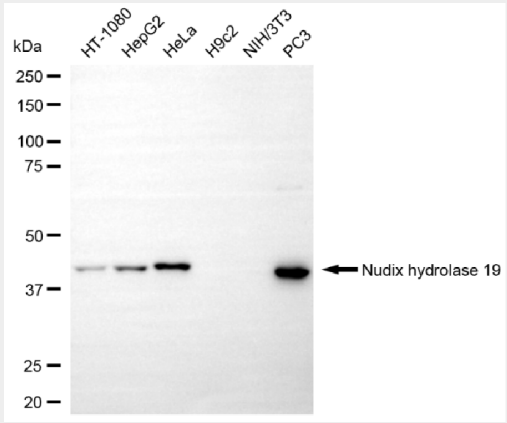
KO-Validated Anti-Nudix Hydrolase 19 Rabbit Monoclonal Antibody - Protocols

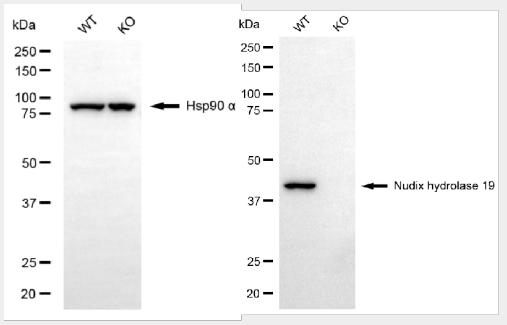
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KO-Validated Anti-Nudix Hydrolase 19 Rabbit Monoclonal Antibody - Images



Western blotting analysis using anti-nudix hydrolase 19 antibody (Cat#AGI2427). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-nudix hydrolase 19 antibody (Cat#AGI2427, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-nudix hydrolase 19 antibody (Cat#AGI2427). Nudix hydrolase 19 expression in wild type (WT) and nudix hydrolase 19 (NUDT19) knockout (KO) HSHC cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-nudix hydrolase 19 antibody (Cat#AGI2427, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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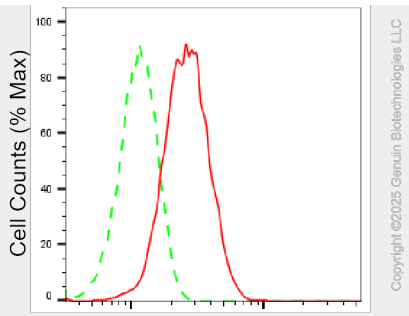

Flow cytometric analysis of Nudix hydrolase 19 expression in HepG2 cells using Nudix hydrolase 19 antibody (Cat#AGI2427, 1:2,000). Green, isotype control; red, Nudix hydrolase 19.