

ARG45592 anti-NUDT7 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NUDT7
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Specificity	NUDT7
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NUDT7
Species	Human
Immunogen	Recombinant protein containing to human NUDT7.
Conjugation	Un-conjugated
Alternate Names	NUDT7; Nudix Hydrolase 7; Nudix (Nucleoside Diphosphate Linked Moiety X)-Type Motif 7; Peroxisomal Coenzyme A Diphosphatase NUDT7; Nucleoside Diphosphate-Linked Moiety X Motif 7; Nudix Motif 7; EC 3.6.1.77; EC 3.6.1.-

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	27 kDa	

Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

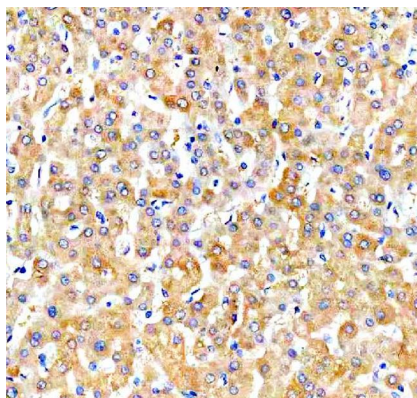
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

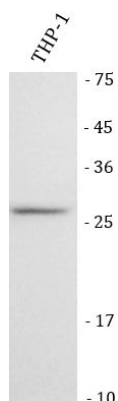
Gene Symbol	NUDT7
Gene Full Name	Nudix Hydrolase 7
Background	The protein encoded by this gene is a member of the Nudix hydrolase family. Nudix hydrolases eliminate potentially toxic nucleotide metabolites from the cell and regulate the concentrations and availability of many different nucleotide substrates, cofactors, and signaling molecules. Alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Function	Fatty acyl-coenzyme A (CoA) diphosphatase that hydrolyzes fatty acyl-CoA to yield acyl-4'-phosphopantetheine and adenosine 3',5'-bisphosphate (By similarity). Cleaves CoA, CoA esters and oxidized CoA with similar efficiencies (By similarity). Preferentially hydrolyzes medium-chain acyl-CoAs and bile acid-CoAs (By similarity). Has no activity toward NDP-sugars, CDP-alcohols, (deoxy)nucleoside 5'-triphosphates, nucleoside 5'-di or monophosphates, diadenosine polyphosphates, NAD, NADH, NADP, NADPH or thymidine-5'-monophospho-p-nitrophenyl ester (By similarity). May be required to eliminate oxidized CoA from peroxisomes, or regulate CoA and acyl-CoA levels in this organelle in response to metabolic demand (By similarity). Does not play a role in U8 snoRNA decapping activity (By similarity). Binds U8 snoRNA (By similarity). Exhibits decapping activity towards dpCoA-capped RNAs in vitro. [UniProt]
Calculated Mw	27 kDa
Cellular Localization	Peroxisome. [UniProt]

Images



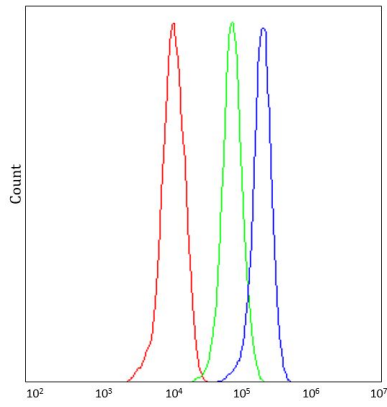
ARG45592 anti-NUDT7 antibody IHC-P image

Immunohistochemistry: Human liver stained with ARG45592 anti-NUDT7 antibody at 2 µg/ml dilution.



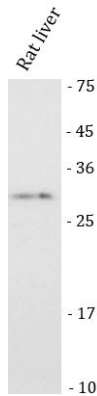
ARG45592 anti-NUDT7 antibody WB image

Western blot: THP-1 stained with ARG45592 anti-NUDT7 antibody at 0.5 µg/ml dilution.



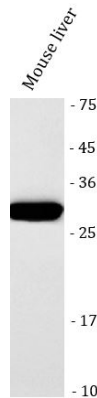
ARG45592 anti-NUDT7 antibody FACS image

Flow Cytometry: THP-1 stained with ARG45592 anti-NUDT7 antibody at 1 µg/10⁶ cells dilution.



ARG45592 anti-NUDT7 antibody WB image

Western blot: Rat liver stained with ARG45592 anti-NUDT7 antibody at 0.5 µg/ml dilution.



ARG45592 anti-NUDT7 antibody WB image

Western blot: Mouse liver stained with ARG45592 anti-NUDT7 antibody at 0.5 µg/ml dilution.