

## ARG44130 anti-NUDT5 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal recognizes NUDT5
Tested Reactivity	Hu, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NUDT5
Species	Human
Immunogen	Human NUDT5 recombinant protein (Position: M1-F219).
Conjugation	Un-conjugated
Alternate Names	NUDT5; Nudix Hydrolase 5; YSA1H; Nudix (Nucleoside Diphosphate Linked Moiety X)-Type Motif 5; Nuclear ATP-Synthesis Protein NUDIX5; ADP-Sugar Pyrophosphatase; 8-Oxo-DGDP Phosphatase; HYSAH1; HNUDT5; Nucleoside Diphosphate-Linked Moiety X Motif 5; Nudix Motif 5; EC 3.6.1.13; EC 3.6.1.58; EC 2.7.7.96; NUDIX5; YSAH1; YSA1

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 <sup>6</sup> 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.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
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.

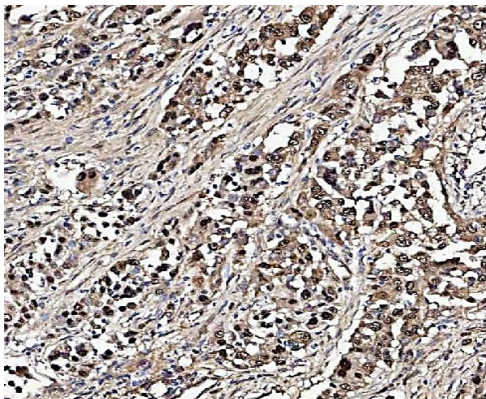
#### Note

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

## Bioinformation

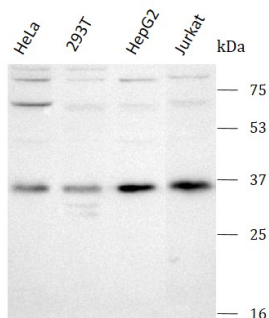
Gene Symbol	NUDT5
Gene Full Name	Nudix Hydrolase 5
Background	This gene belongs to the Nudix (nucleoside diphosphate linked moiety X) hydrolase superfamily. The encoded enzyme catalyzes the hydrolysis of modified nucleoside diphosphates, including ADP-ribose (ADPR) and 8-oxoGua-containing 8-oxo-dADP and 8-oxo-dGDP. Protein-bound ADP ribose can be hazardous to the cell because it can modify some amino acid residues, resulting in the inhibition of ATP-activated potassium channels. 8-oxoGua is an oxidized form of guanine that can potentially alter genetic information by pairing with adenine and cytosine in RNA. Presence of 8-oxoGua in RNA results in formation of abnormal proteins due to translational errors.
Function	Enzyme that can either act as an ADP-sugar pyrophosphatase in absence of diphosphate or catalyze the synthesis of ATP in presence of diphosphate.
Calculated Mw	24 kDa
PTM	Acetylation, Isopeptide bond, Phosphoprotein, Ubl conjugation
Cellular Localization	Nucleus

## Images



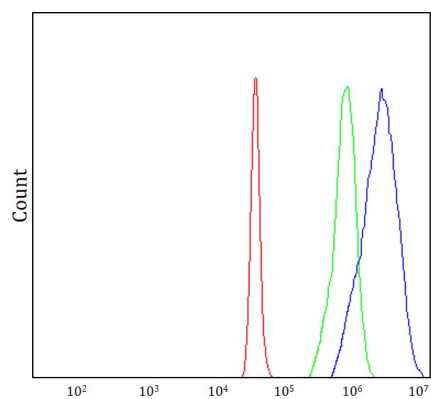
ARG44130 anti-NUDT5 antibody IHC-P image

Immunohistochemistry: Human lung stained with ARG44130 anti-NUDT5 antibody at 2 µg/ml dilution.



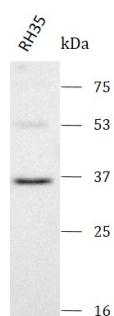
ARG44130 anti-NUDT5 antibody WB image

Western blot: HeLa, 293T, HepG2 and Jurkat stained with ARG44130 anti-NUDT5 antibody at 0.5 µg/ml dilution.



#### ARG44130 anti-NUDT5 antibody FACS image

Flow Cytometry: 293T stained with ARG44130 anti-NUDT5 antibody at 1 µg/10<sup>6</sup> cells dilution.



#### ARG44130 anti-NUDT5 antibody WB image

Western blot: RH35 stained with ARG44130 anti-NUDT5 antibody at 0.5 µg/ml dilution.