

ARG44476 anti-NUDT15 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NUDT15
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NUDT15
Species	Human
Immunogen	Human NUDT15 recombinant protein
Conjugation	Un-conjugated
Alternate Names	NUDT15; Nudix Hydrolase 15; MTH2; Nucleoside Diphosphate-Linked To Another Moiety X Hydrolase 15; Nudix (Nucleoside Diphosphate Linked Moiety X)-Type Motif 15; Nucleotide Triphosphate Diphosphatase NUDT15; MutT Homolog; FLJ10956; Probable 7,8-Dihydro-8-Oxoguanine Triphosphatase NUDT15; Nucleoside Diphosphate-Linked Moiety X Motif 15; Probable 8-Oxo-DGTP Diphosphatase NUDT15; 8-Oxo-DGTPase NUDT15; Nudix Motif 15

Application Instructions

Application table	Application	Dilution
	ICC/IF	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.	

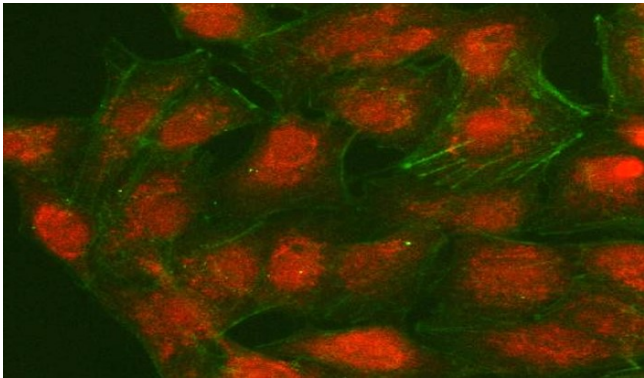
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 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.

Bioinformation

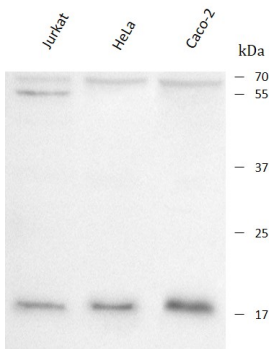
Gene Symbol	NUDT15
Gene Full Name	Nudix Hydrolase 15
Background	This gene encodes an enzyme that belongs to the Nudix hydrolase superfamily. Members of this superfamily catalyze the hydrolysis of nucleoside diphosphates, including substrates like 8-oxo-dGTP, which are a result of oxidative damage, and can induce base mispairing during DNA replication, causing transversions. The encoded enzyme is a negative regulator of thiopurine activation and toxicity. Mutations in this gene result in poor metabolism of thiopurines, and are associated with thiopurine-induced early leukopenia. Multiple pseudogenes of this gene have been identified.
Function	May catalyze the hydrolysis of nucleoside triphosphates including dGTP, dTTP, dCTP, their oxidized forms like 8-oxo-dGTP and the prodrug thiopurine derivatives 6-thio-dGTP and 6-thio-GTP.
Calculated Mw	19 kDa

Images



ARG44476 anti-NUDT15 antibody ICC/IF image

Immunofluorescence: A549 stained with ARG44476 anti-NUDT15 antibody at 5 µg/mL dilution.



ARG44476 anti-NUDT15 antibody WB image

Western blot: Jurkat, HeLa and Caco-2 stained with ARG44476 anti-NUDT15 antibody at 0.5 µg/mL dilution.