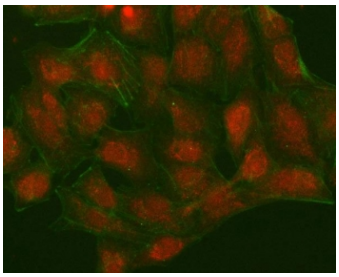
NUDT15 Antibody / Nudix hydrolase 15 (RQ8724)

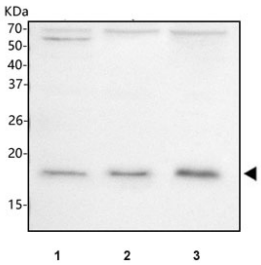
Catalog No.	Formulation	Size
RQ8724	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9NV35
Localization	Nuclear
Applications	Western blot: 1-2ug/ml Immunofluorescence: 5ug/ml ELISA: 0.1-0.5ug/ml
Limitations	This NUDT15 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with NUDT15 antibody (red) and Phalloidin-iFluor 488 conjugate (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) Jurkat, 2) HeLa and 3) Caco-2 cell lysate with NUDT15 antibody. Predicted molecular weight ~19 kDa.

Description

Nudix hydrolase 15 is a protein that in humans is encoded by the NUDT15 gene. 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.

Application Notes

Optimal dilution of the NUDT15 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids C23-L164) was used as the immunogen for the NUDT15 antibody.

Storage

After reconstitution, the NUDT15 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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