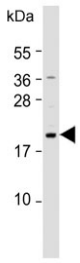
NUDT15 Antibody / Nudix hydrolase 15 (F54345)

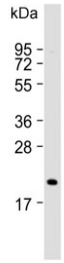
Catalog No.	Formulation	Size
F54345-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54345-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

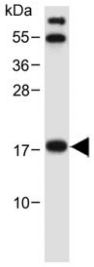
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q9NV35
Localization	Cytoplasmic
Applications	Flow cytometry: 1:25 (1x10e6 cells) Immunohistochemistry (FFPE): 1:25 Western blot: 1:500-1:2000
Limitations	This NUDT15 antibody is available for research use only.



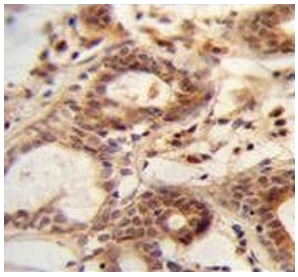
Western blot testing of human SW620 cell lysate with NUDT15 antibody. Predicted molecular weight ~19 kDa.



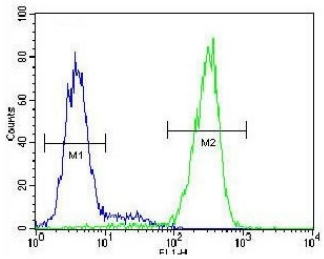
Western blot testing of human HuTu-80 cell lysate with NUDT15 antibody. Predicted molecular weight ~19 kDa.



Western blot testing of mouse small intestine lysate with NUDT15 antibody. Predicted molecular weight ~19 kDa.



IHC testing of FFPE human breast tissue with NUDT15 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of fixed and permeabilized human HepG2 cells with NUDT15 antibody; Blue=isotype control, Green= NUDT15 antibody.

Description

Mediates the hydrolysis of some nucleoside diphosphate derivatives. Can degrade 8-oxo-dGTP in vitro, suggesting that it may remove an oxidatively damaged form of guanine (7,8-dihydro-8-oxoguanine) from DNA and the nucleotide pool, thereby preventing misincorporation of 8-oxo-dGTP into DNA thus preventing A:T to C:G transversions. Its substrate specificity in vivo however remains unclear (By similarity). May have a role in DNA synthesis and cell cycle progression throught the interaction with PCNA.

Application Notes

The stated application concentrations are suggested starting points. Titration of the NUDT15 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 89-118 from the human protein was used as the immunogen for the NUDT15 antibody.

Storage

Aliquot the NUDT15 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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