

# NUDT15 Polyclonal Antibody

Catalog No: #31526

Package Size: #31526-1 50ul #31526-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

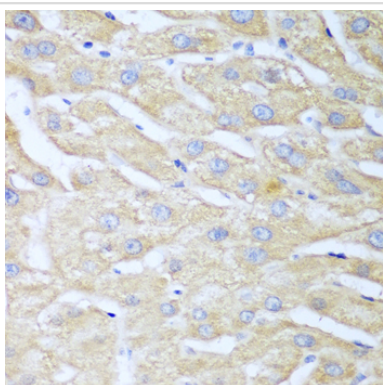
## Description

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Product Name          | NUDT15 Polyclonal Antibody                                        |
| Host Species          | Rabbit                                                            |
| Clonality             | Polyclonal                                                        |
| Isotype               | IgG                                                               |
| Purification          | Affinity purification                                             |
| Applications          | WB,IHC                                                            |
| Species Reactivity    | Human;Mouse;Rat                                                   |
| Immunogen Description | Recombinant fusion protein of human NUDT15 (NP_060753.1).         |
| Conjugates            | Unconjugated                                                      |
| Other Names           | NUDT15; MTH2; NUDT15D; nudix hydrolase 15                         |
| Accession No.         | Swiss-Prot#:Q9NV35NCBI Gene ID:55270                              |
| Calculated MW         | 19kDa                                                             |
| Formulation           | Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4. |
| Storage               | Store at -20°C                                                    |

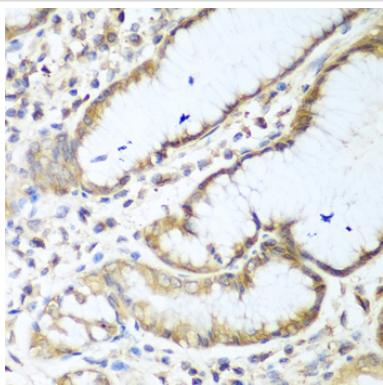
## Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:100

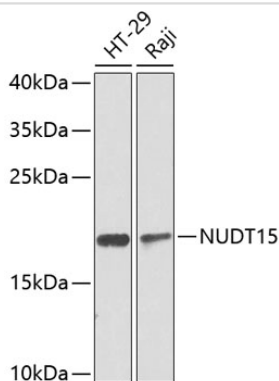
## Images



Immunohistochemistry of paraffin-embedded human liver using NUDT15 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human stomach using NUDT15 antibody at dilution of 1:100 (40x lens).



Western blot analysis of extracts of various cell lines, using NUDT15 antibody at 1:1000 dilution.

## 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.

## Published Papers

el at., MTH1 protects platelet mitochondria from oxidative damage and regulates platelet function and thrombosis In Nat Commun On 2023 Aug 10 by Yangyang Ding, Xiang Gui et al. PMID:37563135, (2023)

[PMID:37563135](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.