

Datasheet for ABIN2461167

**anti-NUDT9 antibody**[Go to Product page](#)**1** Image

## Overview

|              |                                                          |
|--------------|----------------------------------------------------------|
| Quantity:    | 100 µL                                                   |
| Target:      | NUDT9                                                    |
| Reactivity:  | Human, Mouse, Rat, Dog                                   |
| Host:        | Rabbit                                                   |
| Clonality:   | Polyclonal                                               |
| Conjugate:   | This NUDT9 antibody is un-conjugated                     |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

## Product Details

|               |                                                                                                        |
|---------------|--------------------------------------------------------------------------------------------------------|
| Immunogen:    | Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human NUDT9. |
| Purification: | Antibody is purified by peptide affinity chromatography method.                                        |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | NUDT9                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Alternative Name: | NUDT9 ( <a href="#">NUDT9 Products</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Background:       | Human ADP-ribose pyrophosphatase NUDT9 belongs to a superfamily of Nudix hydrolases that catabolize potentially toxic compounds in the cell. NUDT9 alpha protein is targeted highly specifically to mitochondria, whereas the predicted protein of the NUDT9 beta transcript, which is missing this sequence, exhibits no clear subcellular localization. Investigation of the physical and enzymatic properties of NUDT9 indicates that it is functional as a monomer, optimally |

## Target Details

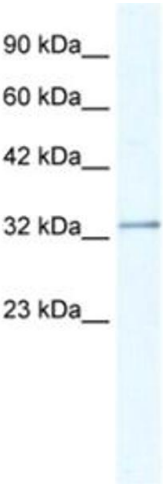
|                   |                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------|
|                   | active at near neutral pH , and that it requires divalent metal ions and an intact Nudix motif for enzymatic activity. |
| Molecular Weight: | 33 kDa, 39 kDa, 39 kDa                                                                                                 |
| Gene ID:          | 53343                                                                                                                  |
| NCBI Accession:   | <a href="#">NP_932155</a>                                                                                              |
| UniProt:          | <a href="#">Q8NG26</a>                                                                                                 |

## Application Details

|                    |                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | NUDT9 antibody can be used for detection of NUDT9 by ELISA at 1:62500. NUDT9 antibody can be used for detection of NUDT9 by western blot at 1.25 µg/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                               |

## Handling

|                  |                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------|
| Format:          | Lyophilized                                                                                                       |
| Reconstitution:  | Add 50 µL of distilled water. Final antibody concentration is 1 mg/mL.                                            |
| Concentration:   | 1 mg/mL                                                                                                           |
| Buffer:          | Antibody is lyophilized in PBS buffer with 2 % sucrose.                                                           |
| Handling Advice: | As with any antibody avoid repeat freeze-thaw cycles.                                                             |
| Storage:         | 4 °C/-20 °C                                                                                                       |
| Storage Comment: | For short periods of storage (days) store at 4 °C. For longer periods of storage, store NUDT9 antibody at -20 °C. |



**Western Blotting**

**Image 1.**