

Datasheet for ABIN2776344
anti-NUDT9 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	NUDT9
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Cow, Horse, Rabbit, Sheep, Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NUDT9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human NUDT9
Sequence:	LEAGDDAGKV KWVDINDKLK LYASHSQFIK LVAEKRDHAW SEDSEADCHA
Predicted Reactivity:	Cow: 86%, Dog: 100%, Guinea Pig: 86%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 86%, Zebrafish: 77%
Characteristics:	This is a rabbit polyclonal antibody against NUDT9. It was validated on Western Blot and immunohistochemistry.
Purification:	Affinity Purified

Target Details

Target:	NUDT9
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Target Details

Alternative Name:	NUDT9 (NUDT9 Products)
Background:	<p>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 active at near neutral pH , and that it requires divalent metal ions and an intact Nudix motif for enzymatic activity.</p> <p>Alias Symbols: NUDT10</p> <p>Protein Interaction Partner: EPHA2, APP, GLOD4,</p> <p>Protein Size: 300</p>
Molecular Weight:	33 kDa
Gene ID:	53343
NCBI Accession:	NM_198038 , NP_932155
UniProt:	Q8NG26

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 300 AA
Restrictions:	For Research Use only

Handling

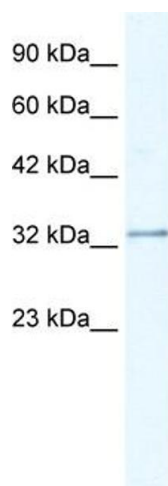
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage: -20 °C

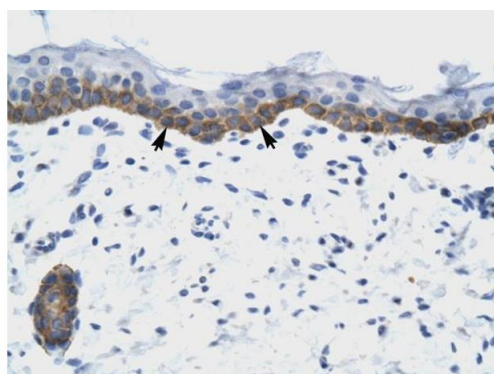
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

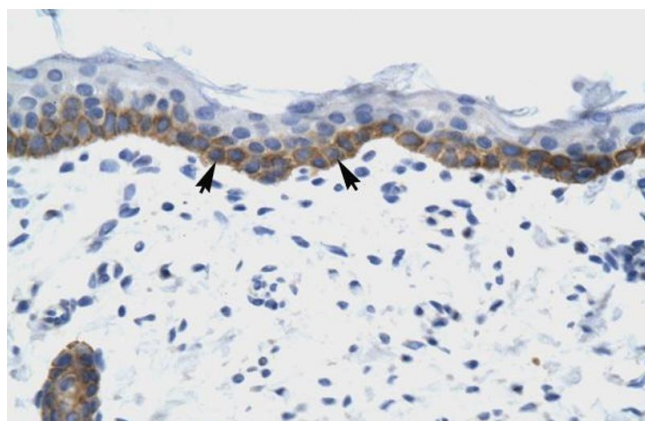
Image 1. WB Suggested Anti-NUDT9 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Jurkat cell lysate



Rabbit Anti-NUDT9 Antibody
Catalog Number: ARP35538
Lot Number: QC5005
Paraffin Embedded Tissue: Human Skin
Cells with Positive label: Squamous epithelial cells (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Human Skin



Immunohistochemistry

Image 3. Human Skin