

For Research Use Only

# NUDT8 Polyclonal antibody

Catalog Number:16098-1-AP



## Basic Information

<b>Catalog Number:</b> 16098-1-AP	<b>GenBank Accession Number:</b> BC018644	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 500 ug/ml	<b>GeneID (NCBI):</b> 254552	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WV74	
<b>Isotype:</b> IgG	<b>Full Name:</b> nudix (nucleoside diphosphate linked moiety X)-type motif 8	
<b>Immunogen Catalog Number:</b> AG8945	<b>Calculated MW:</b> 236 aa, 25 kDa	
	<b>Observed MW:</b> 25 kDa	

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

WB : Jurkat cells,

IHC : human colon cancer tissue, human heart tissue, human kidney tissue, human skin tissue, mouse heart tissue, human liver tissue, human spleen tissue, human ovary tissue

## Background Information

NUDT8 belongs to the Nudix hydrolase family, which is involved in intracellular metabolic processes, especially related to the decomposition and degradation of nucleotides. NUDT8 is a novel CoA diphosphohydrolase that localizes to the mitochondria and is broadly expressed in mitochondria-rich organs such as the heart, kidneys, liver, and brown adipose tissue (PMID: 31004344).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

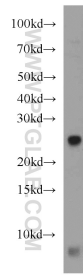
T: 4006900926

E: Proteintech-CN@ptglab.com

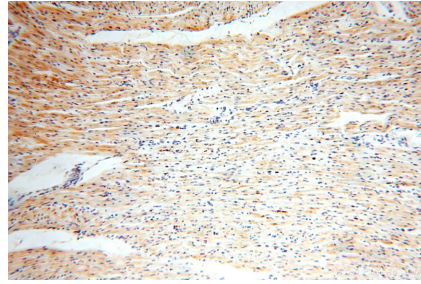
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

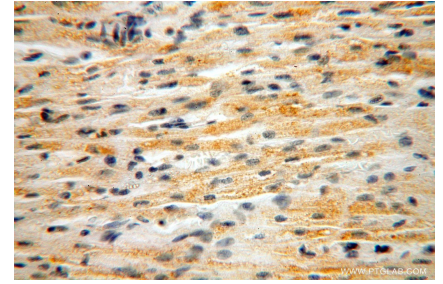
## Selected Validation Data



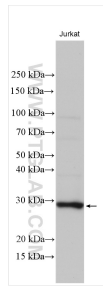
Jurkat cells were subjected to SDS PAGE followed by western blot with 16098-1-AP (NUDT8 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



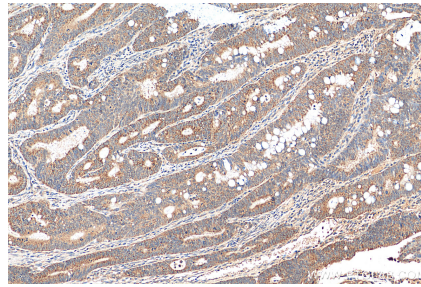
Immunohistochemical analysis of paraffin-embedded human heart using 16098-1-AP (NUDT8 antibody) at dilution of 1:100 (under 10x lens).



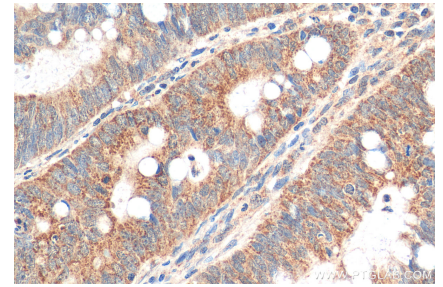
Immunohistochemical analysis of paraffin-embedded human heart using 16098-1-AP (NUDT8 antibody) at dilution of 1:100 (under 40x lens).



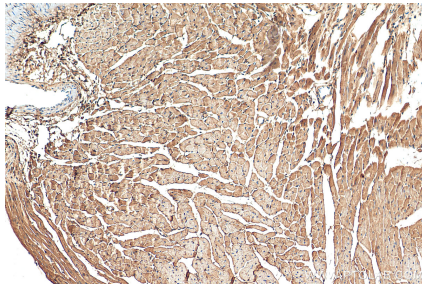
Jurkat cells were subjected to SDS PAGE followed by western blot with 16098-1-AP (NUDT8 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



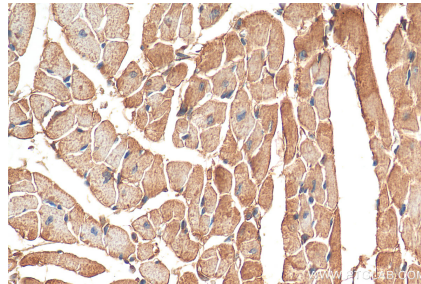
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16098-1-AP (NUDT8 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16098-1-AP (NUDT8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 16098-1-AP (NUDT8 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 16098-1-AP (NUDT8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).