

For Research Use Only

NUDT8 Polyclonal antibody

Catalog Number: 16098-1-AP



Basic Information

| | | |
|---|--|---|
| Catalog Number: 16098-1-AP | GenBank Accession Number: BC018644 | Purification Method: Antigen affinity purification |
| Size: 150ul, Concentration: 500 ug/ml by Nanodrop and 347 ug/ml by Bradford method using BSA as the standard; | GeneID (NCBI): 254552 | Recommended Dilutions: WB 1:1000-1:6000 IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q8WV74 | |
| Isotype: IgG | Full Name: nudix (nucleoside diphosphate linked moiety X)-type motif 8 | |
| Immunogen Catalog Number: AG8945 | Calculated MW: 236 aa, 25 kDa | |
| | Observed MW: 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

*** 20ul sizes contain 0.1% BSA

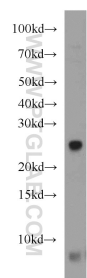
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

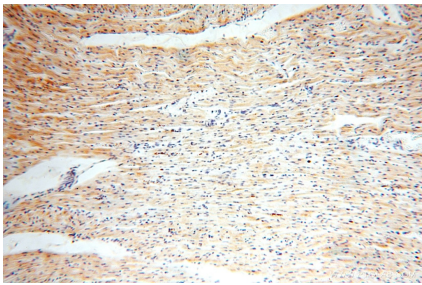
E: proteintech@ptglab.com
W: ptglab.com

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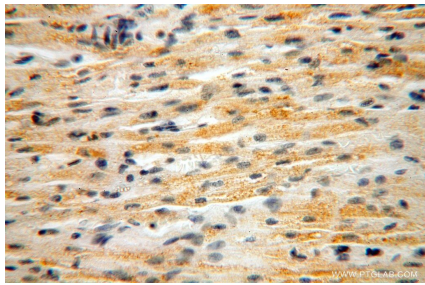
Selected Validation Data



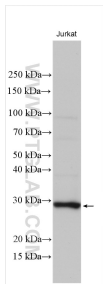
Jurkat cells were subjected to SDS PAGE followed by western blot with 16098-1-AP (NUDT8 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



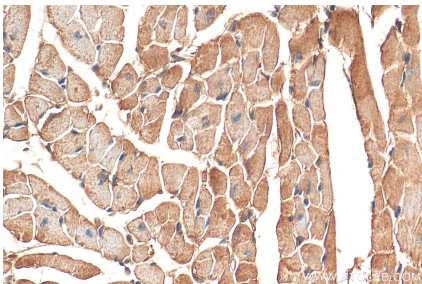
Immunohistochemical analysis of paraffin-embedded human heart using 16098-1-AP (NUDT8 antibody) at dilution of 1:100 (under 10x lens).



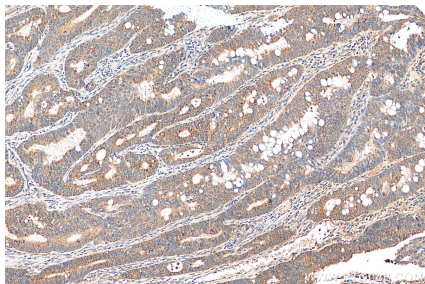
Immunohistochemical analysis of paraffin-embedded human heart using 16098-1-AP (NUDT8 antibody) at dilution of 1:100 (under 40x lens).



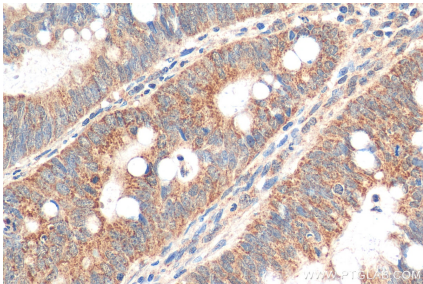
Jurkat cells were subjected to SDS PAGE followed by western blot with 16098-1-AP (NUDT8 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



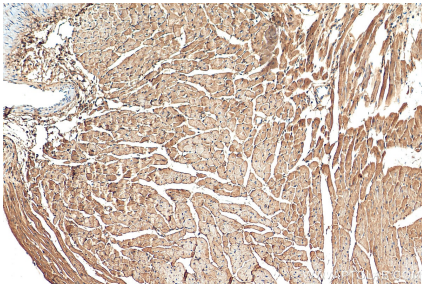
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 16098-1-AP (NUDT8 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).