

For Research Use Only

# NUDT3/4/10/11 Polyclonal antibody



Catalog Number: 10912-1-AP

## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>10912-1-AP  | <b>GenBank Accession Number:</b><br>BC009942                                      | <b>Purification Method:</b><br>Antigen affinity purification         |
| <b>Size:</b><br>150ul, Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>55190  | <b>Recommended Dilutions:</b><br>WB 1:1000-1:6000<br>IHC 1:200-1:800 |
| <b>Source:</b><br>Rabbit  | <b>Full Name:</b><br>nudix (nucleoside diphosphate linked moiety X)-type motif 11 |  |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>19 kDa   |  |
| <b>Immunogen Catalog Number:</b><br>AG1346  | <b>Observed MW:</b><br>19 kDa   |  |

## Applications

### Tested Applications:

IHC, WB, 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: mouse brain tissue, human brain tissue, rat brain tissue

IHC: mouse testis tissue, human ovary tumor tissue

## Background Information

NUDT11 (nucleoside diphosphate linked moiety X-type motif 11), also named as DIPP3B or APS1, belongs to the subgroup of phosphohydrolases that preferentially attack diphosphoinositol polyphosphates (PMID: 12105228, 12689335). Five human isoforms of DIPP have been found and named as DIPP type 1 (NUDT3), type 2 $\alpha$ / $\beta$  (NUDT4), type 3 $\alpha$  (NUDT10) and type 3 $\beta$  (NUDT11), which have the similar molecular weight and high homology (PMID: 12105228). This antibody can recognize all the 5 isoforms of DIPP (NUDT3/4/10/11).

## Storage

### Storage:

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

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

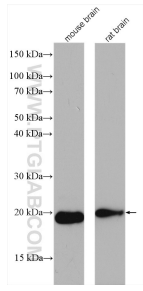
For technical support and original validation data for this product please contact:

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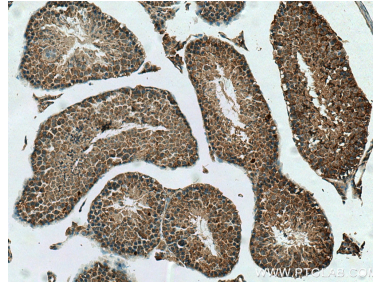
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W: ptglab.com

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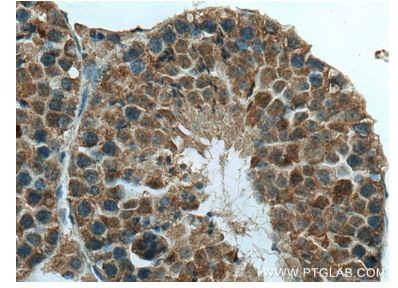
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10912-1-AP (NUDT11 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10912-1-AP (NUDT3/4/10/11 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 10912-1-AP (NUDT3/4/10/11 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).