

## NUDT3/4/10/11 Polyclonal antibody

Catalog Number: 20542-1-AP

## Basic Information

<b>Catalog Number:</b> 20542-1-AP	<b>GenBank Accession Number:</b> BC007727	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 11165	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Source:</b> Rabbit	<b>Full Name:</b> nudix (nucleoside diphosphate linked moiety X)-type motif 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 172 aa, 19 kDa	
<b>Immunogen Catalog Number:</b> AG14587	<b>Observed MW:</b> 20-30 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : rat brain tissue, mouse brain tissue
<b>Species Specificity:</b> human, mouse, rat	

## Background Information

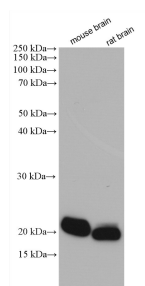
NUDT3 (nucleoside diphosphate linked moiety X-type motif 3), also named as DIPP1, belongs to the subgroup of phosphohydrolases that preferentially attack diphosphoinositol polyphosphates (PMID: 12105228, 12689335). Five human isoforms of DIPP have been found and named as DIPP type 1 (NUDT3), type 2α/β (NUDT4), type 3α (NUDT10) and type 3β (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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20542-1-AP (NUDT3/4/10/11 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.