

# NUDT3/4/10/11 Polyclonal antibody

Catalog Number: 17508-1-AP

## Basic Information

**Catalog Number:**

17508-1-AP

**Size:**

150ul, Concentration: 550 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG11711

**GenBank Accession Number:**

BC050700

**GeneID (NCBI):**

170685

**UNIPROT ID:**

Q8NFP7

**Full Name:**

nudix (nucleoside diphosphate linked moiety X)-type motif 10

**Calculated MW:**

164 aa, 19 kDa

**Observed MW:**

23 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

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

IF/ICC : HeLa cells,

## Background Information

NUDT10 (nucleoside diphosphate linked moiety X-type motif 10), also named as DIPP3A or APS2, 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

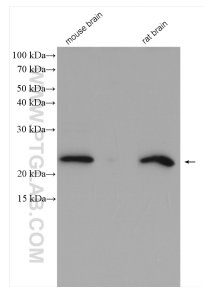
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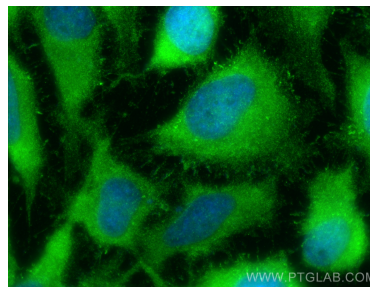
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17508-1-AP (NUDT3/4/10/11 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using NUDT3/4/10/11 antibody (17508-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).