

For Research Use Only

# PARP4 Polyclonal antibody

Catalog Number:19775-1-AP



## Basic Information

### Catalog Number:

19775-1-AP

### Size:

150ul , Concentration: 350 ug/ml by Nanodrop and 280 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_006437

### GeneID (NCBI):

143

### UNIPROT ID:

Q9UKK3

### Full Name:

poly (ADP-ribose) polymerase family, member 4

### Calculated MW:

193 kDa

### Observed MW:

193 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Species Specificity:

human

**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 : A549 cells, HeLa cells

IHC : human stomach cancer tissue,

IF/ICC : HepG2 cells,

## Background Information

PARP4, also named as ADPRTL1, KIAA0177, PARPL, VPARP and PH5P, catalyzes the reaction: NAD<sup>+</sup> + (ADP-D-ribosyl) (n)-acceptor = nicotinamide + (ADP-D-ribosyl)(n+1)-acceptor.

## 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

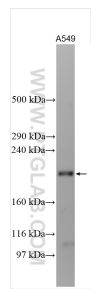
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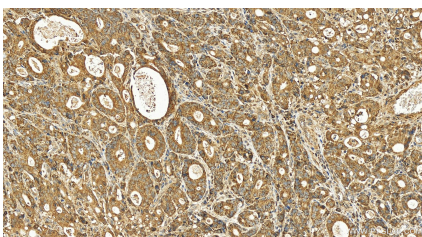
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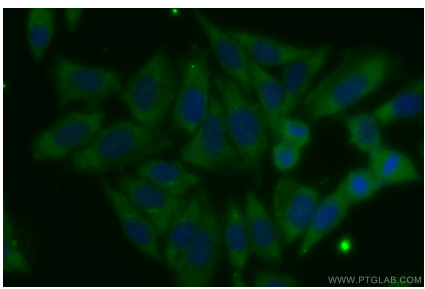
# Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 19775-1-AP (PARP4 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 19775-1-AP (PARP4 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed 48 HepG2 cells using PARP4 antibody (19775-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).