

For Research Use Only

# URG4 Polyclonal antibody

Catalog Number: 11998-1-AP

Featured Product

2 Publications



## Basic Information

### Catalog Number:

11998-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2630

### GenBank Accession Number:

BC018426

### GeneID (NCBI):

55665

### UNIPROT ID:

Q8TCY9

### Full Name:

up-regulated gene 4

### Calculated MW:

922 aa, 104 kDa

### Observed MW:

104 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:200-1:1000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human

### Positive Controls:

WB : HEK-293 cells,

IP : HEK-293 cells,

IHC : human stomach cancer tissue, human liver cancer tissue

IF/ICC : HeLa cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

URG4 (upregulated gene 4), also known as upregulator of cell proliferation (URGCP), is an oncogene which is involved in the development and progression of various tumors. URG4 is upregulated in hepatocellular carcinoma (HCC), ovarian cancer, and other types of cancer. Overexpression of URG4 not only results in tumour progression but also in metastasis and recurrence.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yayun Liu	32552851	J Orthop Surg Res	IHC, WB
Yuanxi Leng	37832904	Bone	WB

## 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

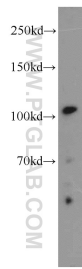
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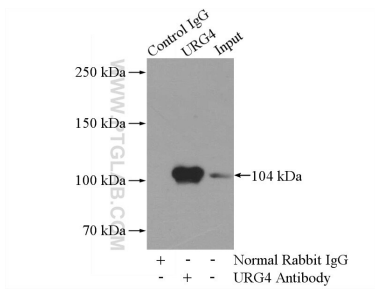
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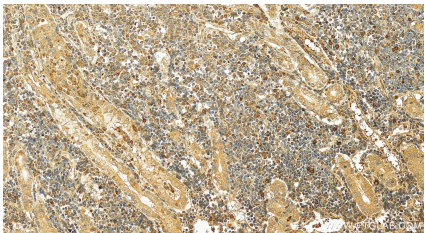
Selected Validation Data



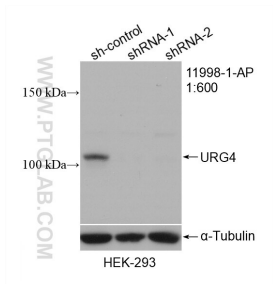
HEK-293 cells were subjected to SDS PAGE followed by western blot with 11998-1-AP (URG4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



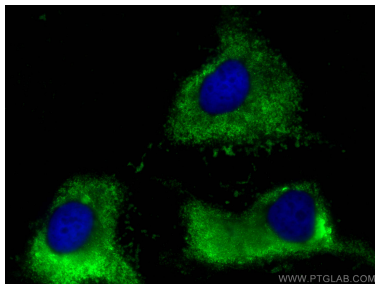
IP result of anti-URG4 (IP:11998-1-AP, 4ug; Detection:11998-1-AP 1:300) with HEK-293 cells lysate 880ug.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11998-1-AP (URG4 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of URG4 antibody (11998-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-URG4 transfected HEK-293 cells.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using URG4 antibody (11998-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).