For Research Use Only

URG4 Polyclonal antibody

Catalog Number:11998-1-AP Featured Product 2 Publications

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Basic Information

Catalog Number:
11998-1-AP

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2630

GenBank Accession Number:
BC018426

GeneID (NCBI):
55665

Full Name:
up-regulated gene 4

Calculated MW:
922 aa, 104 kDa

Observed MW:
104 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:20-1:200
IF 1:50-1:500

Applications

Tested Applications:
IF, IHC, IP, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
human

Cited Species:
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 : HEK-293 cells,

IP : HEK-293 cells,

IHC : human gliomas tissue, human liver cancer tissue, human stomach cancer tissue

IF : HeLa cells,

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

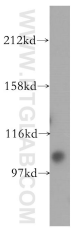
Storage

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

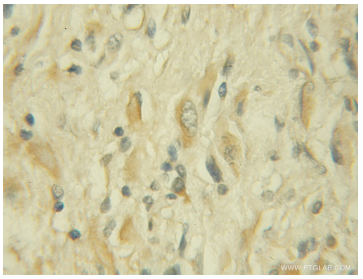
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

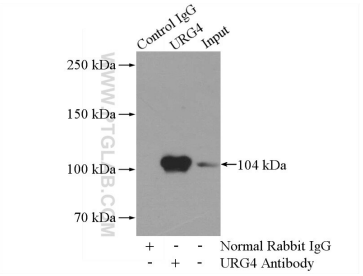
Selected Validation Data



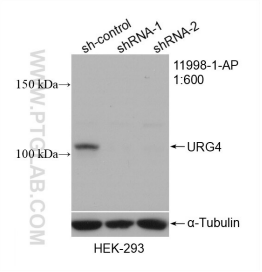
HEK-293 cells were subjected to SDS PAGE followed by western blot with 11998-1-AP (URG4 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



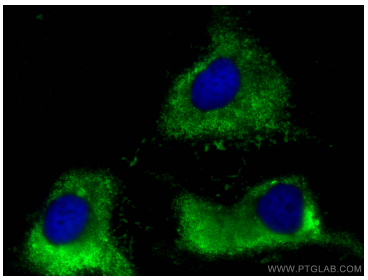
Immunohistochemical analysis of paraffin-embedded human gliomas using 11998-1-AP (URG4 antibody) at dilution of 1:50 (under 10x lens).



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



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).