

For Research Use Only

# URG4 Monoclonal antibody

Catalog Number: 67144-1-Ig



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>67144-1-Ig        | <b>GenBank Accession Number:</b><br>BC018426 | <b>Purification Method:</b><br>Protein A purification                                   |
| <b>Size:</b><br>1500 µg/ml                  | <b>GeneID (NCBI):</b><br>55665               | <b>CloneNo.:</b><br>2D5F12  |
| <b>Source:</b><br>Mouse                     | <b>UNIPROT ID:</b><br>Q8TCY9                 | <b>Recommended Dilutions:</b><br>WB 1:5000-1:20000<br>IHC 1:100-1:500<br>IF 1:200-1:800 |
| <b>Isotype:</b><br>IgG2a                    | <b>Full Name:</b><br>up-regulated gene 4     |   |
| <b>Immunogen Catalog Number:</b><br>AG28635 | <b>Calculated MW:</b><br>922 aa, 104 kDa     |   |
|   | <b>Observed MW:</b><br>104 kDa               |   |

## Applications

**Tested Applications:**  
IF/ICC, IHC, WB, ELISA

**Species Specificity:**  
Human, mouse, rat

**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:** SGC-7901 cells, MKN-45 cells, HepG2 cells, HuH-7 cells, HSC-T6 cells, NIH/3T3 cells

**IHC:** human breast cancer tissue, human liver cancer tissue, human nasopharyngeal carcinoma 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.

## 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

For technical support and original validation data for this product please contact:

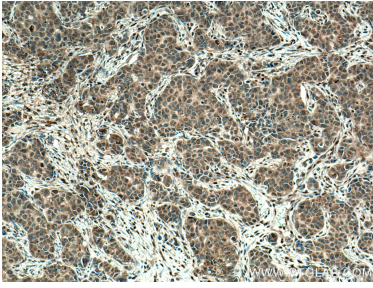
T: 4006900926

E: Proteintech-CN@ptglab.com

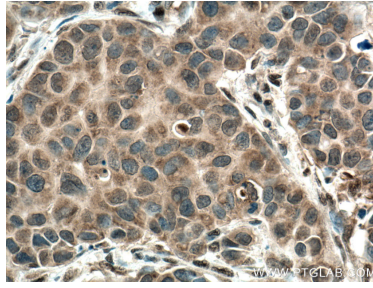
W: ptgcn.com

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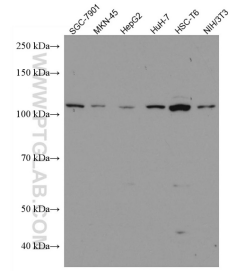
## Selected Validation Data



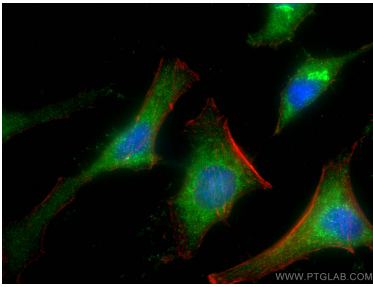
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67144-1-Ig (URG4 antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67144-1-Ig (URG4 antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)).



Various lysates were subjected to SDS PAGE followed by western blot with 67144-1-Ig (URG4 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using URG4 antibody (67144-1-Ig, Clone: 2D5F12) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).