

For Research Use Only

# GCOM1 Polyclonal antibody

Catalog Number: 18129-1-AP



## Basic Information

<b>Catalog Number:</b> 18129-1-AP	<b>GenBank Accession Number:</b> BC101645	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 900 µg/ml	<b>GeneID (NCBI):</b> 145781	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:50-1:500 IF/ICC 1:10-1:100
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> POCAP1	
<b>Isotype:</b> IgG	<b>Full Name:</b> GRINL1A complex locus	
<b>Immunogen Catalog Number:</b> AG12708	<b>Calculated MW:</b> 466 aa, 54 kDa <b>Observed MW:</b> 64 kDa, 44-54 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, 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 : mouse brain tissue, rat brain tissue

IHC : human liver cancer tissue,

IF/ICC : HepG2 cells,

## Background Information

GCOM1, also named as Myozap, Gup and Gcom, belongs to the GCOM1 family. It plays a role in cellular signaling via Rho-related GTP-binding proteins and subsequent activation of transcription factor SRF. GCOM1 has 11 isoforms with MW 44-54kd and 64kd.

## 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:

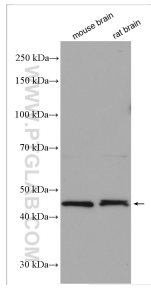
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

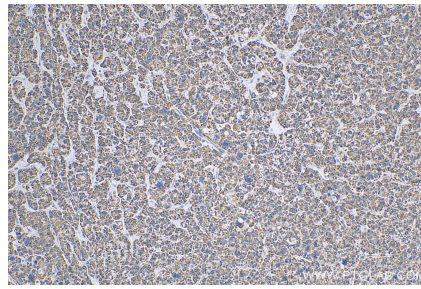
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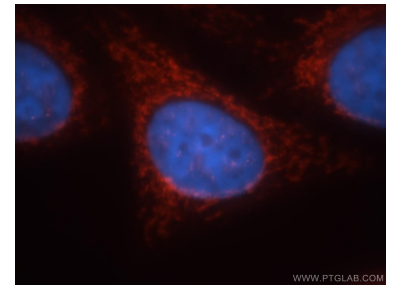
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18129-1-AP (GCOM1 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 18129-1-AP (GCOM1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells, using GCOM1 antibody 18129-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).