

For Research Use Only

# GCOM1 Polyclonal antibody

Catalog Number: 18129-1-AP

1 Publications



## 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> 150ul , Concentration: 900 ug/ml by Nanodrop and 427 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 145781	<b>Recommended Dilutions:</b> WB 1:1000-1:5000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> POCAP1	<b>IHC 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> GRINL1A complex locus	<b>IF/ICC 1:10-1:100</b>
<b>Immunogen Catalog Number:</b> AG12708	<b>Calculated MW:</b> 466 aa, 54 kDa	
	<b>Observed MW:</b> 64 kDa, 44-54 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : mouse brain tissue, rat brain tissue
<b>Cited Applications:</b> WB	<b>IHC :</b> human liver cancer tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IF/ICC :</b> HepG2 cells,
<b>Cited Species:</b> human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Roberta Cacioppo	39667934	Mol Cell	WB

## Storage

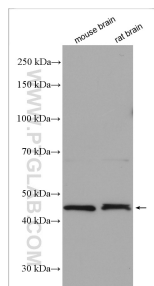
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

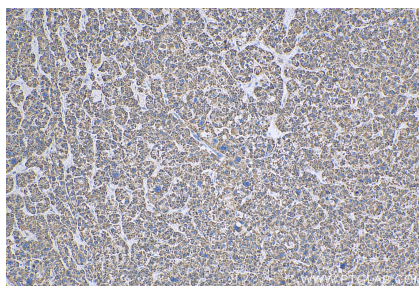
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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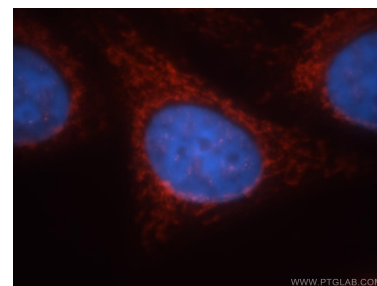
## Selected Validation Data



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).