

For Research Use Only

# RANGRF Polyclonal antibody

Catalog Number: 10552-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 10552-1-AP	<b>GenBank Accession Number:</b> BC006486	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 400 ug/ml	<b>GeneID (NCBI):</b> 29098	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF/ICC 1:10-1:100
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9HD47	
<b>Isotype:</b> IgG	<b>Full Name:</b> RAN guanine nucleotide release factor	
<b>Immunogen Catalog Number:</b> AG0824	<b>Calculated MW:</b> 18 kDa	
	<b>Observed MW:</b> 18-22 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : SGC-7901 cells, HepG2 cells, mouse lung tissue, mouse testis tissue
<b>Cited Applications:</b> IHC	<b>IHC :</b> human colon cancer tissue,
<b>Species Specificity:</b> human, mouse	<b>IF/ICC :</b> HepG2 cells,
<b>Cited Species:</b> mouse	

**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

RANGRF, also named as MOG1, RANGNRF, HSPC165, HSPC236 and MDS5, regulates the intracellular trafficking of RAN. In cardiac cells it regulates the cell surface localization of SCN5A.

## Notable Publications

Author	Pubmed ID	Journal	Application
Gang Yu	35675436	Sci Transl Med	IHC
Meiling Jiang	37327621	Stem Cell Res	

## 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:

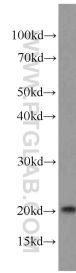
T: 4006900926

E: Proteintech-CN@ptglab.com

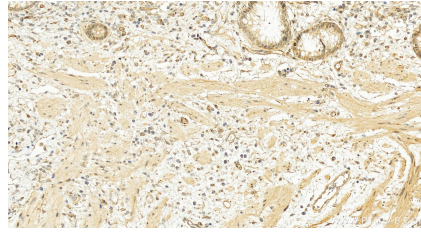
W: ptgcn.com

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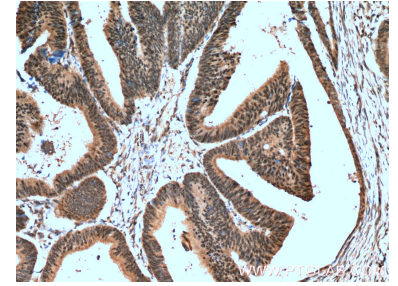
## Selected Validation Data



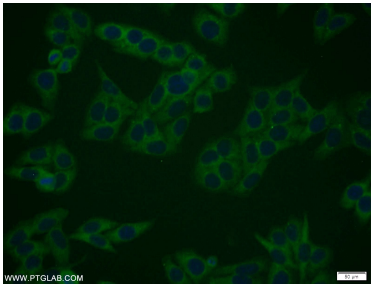
SGC-7901 cells were subjected to SDS PAGE followed by western blot with 10552-1-AP (RANGRF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10552-1-AP (RANGRF antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10552-1-AP (RANGRF 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 10552-1-AP (RANGRF antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).