

For Research Use Only

RANGRF Polyclonal antibody

Catalog Number: 10552-1-AP

3 Publications



Basic Information

Catalog Number:

10552-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0824

GenBank Accession Number:

BC006486

GeneID (NCBI):

29098

UNIPROT ID:

Q9HD47

Full Name:

RAN guanine nucleotide release factor

Calculated MW:

18 kDa

Observed MW:

18-22 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

mouse

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, HepG2 cells, mouse lung tissue, mouse testis tissue

IHC: human colon cancer tissue,

IF/ICC: HepG2 cells,

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
Kristen E Rohli	36325514	Function (Oxf)	WB
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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

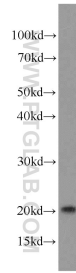
For technical support and original validation data for this product please contact:

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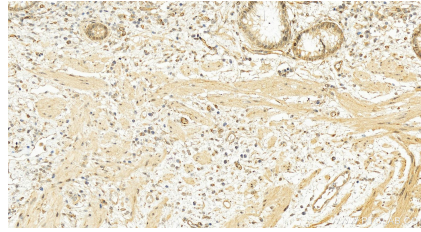
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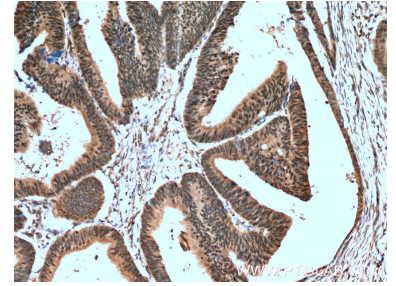
Selected Validation Data



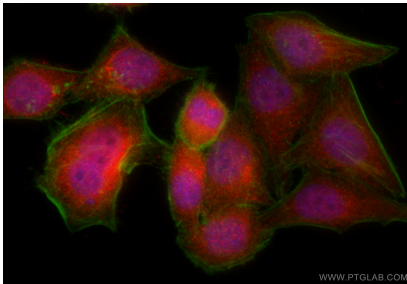
SGC-7901 cells were subjected to SDS PAGE followed by western blot with 10552-1-AP (RANGRF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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 (4% PFA) fixed HepG2 cells using RANGRF antibody (10552-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green).