

For Research Use Only

# GPRC5A,RAI3 Polyclonal antibody

Catalog Number:10309-1-AP

Featured Product

9 Publications



## Basic Information

### Catalog Number:

10309-1-AP

### Size:

150ul , Concentration: 450 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG0311

### GenBank Accession Number:

BC003665

### GeneID (NCBI):

9052

### UNIPROT ID:

Q8NFJ5

### Full Name:

G protein-coupled receptor, family C, group 5, member A

### Calculated MW:

40 kDa

### Observed MW:

40-45 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, FC (Intra), ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### Cited Species:

human, goat

**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** : A375 cells, MCF-7 cells, HeLa cells, RAW 264.7 cells

**IHC** : human lung cancer tissue, human breast cancer tissue

## Background Information

GPRC5A, also named as GPCR5A, RAI3 and RAIG1, belongs to the G-protein coupled receptor 3 family. It is an orphan G-protein coupled receptor (GPCR) that has been associated with malignancy and may play a role in the proliferation of breast cancer cells. GPRC5A is a potential molecular target for treatment of breast cancers. It is suppressed in some human lung carcinoma cells. (PMID:15788639, 20563252, 19552806)

## Notable Publications

Author	Pubmed ID	Journal	Application
Er Jin	30655793	Oncol Lett	WB
Yu Chen	36358856	Cancers (Basel)	WB
Jin Er	32410473	Exp Lung Res	WB

## 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

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

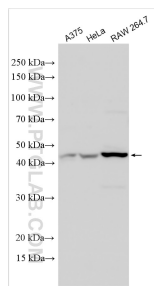
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

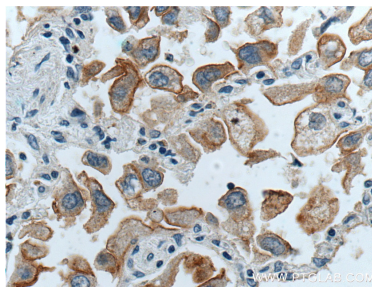
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

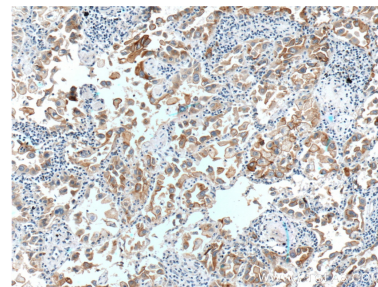
## Selected Validation Data



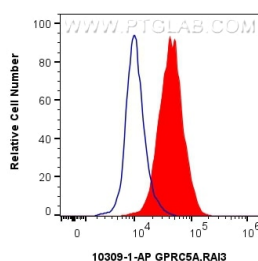
Various lysates were subjected to SDS PAGE followed by western blot with 10309-1-AP (GPCR5A,RAI3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10309-1-AP (GPCR5A,RAI3 Antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10309-1-AP (GPCR5A,RAI3 Antibody) at dilution of 1:200 (under 10x lens).



$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4 ug GPCR5A,RAI3 Polyclonal antibody (10309-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).