

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:

240 ug/ml

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

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

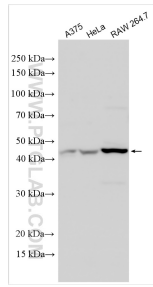
T: 4006900926

E: Proteintech-CN@ptglab.com

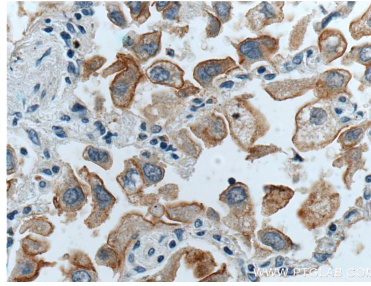
W: ptgcn.com

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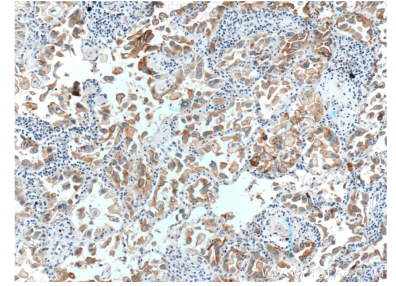
Selected Validation Data



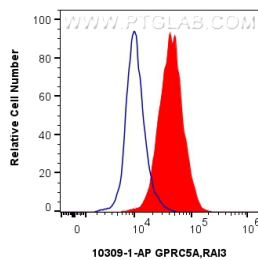
Various lysates were subjected to SDS PAGE followed by western blot with 10309-1-AP (GPRC5A,RAI3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10309-1-AP (GPRC5A,RAI3 Antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10309-1-AP (GPRC5A,RAI3 Antibody) at dilution of 1:200 (under 10x lens).



1×10^6 HeLa cells were intracellularly stained with 0.4 ug GPRC5A,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).