

For Research Use Only

# GNAI3 Polyclonal antibody

Catalog Number: 11641-1-AP 1 Publications



## Basic Information

<b>Catalog Number:</b> 11641-1-AP	<b>GenBank Accession Number:</b> BC025285	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150UL, Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2773	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:20-1:200 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 40 kDa	
<b>Immunogen Catalog Number:</b> AG2229	<b>Observed MW:</b> 40 kDa	

## Applications

**Tested Applications:**  
FC, IF, IHC, WB, ELISA

**Cited Applications:**  
WB

**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:** HEK-293 cells, mouse brain tissue, mouse heart tissue, human kidney tissue, A431 cells

**IHC:** human kidney tissue, human brain tissue

**IF:** HepG2 cells,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Menbere Wendimu	33705894	Cell Signal	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

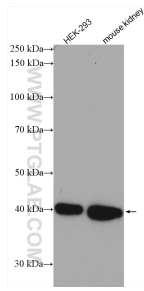
For technical support and original validation data for this product please contact:

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

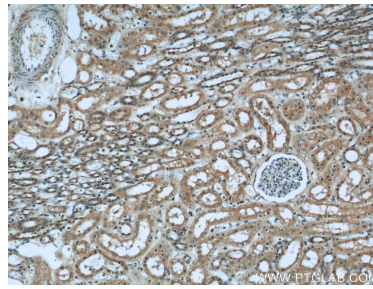
E: proteintech@ptglab.com  
W: ptglab.com

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

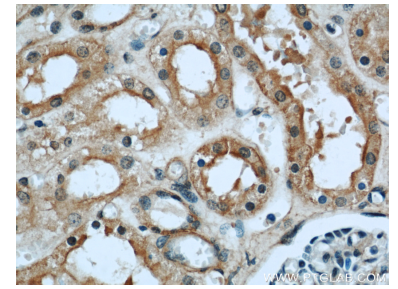
## Selected Validation Data



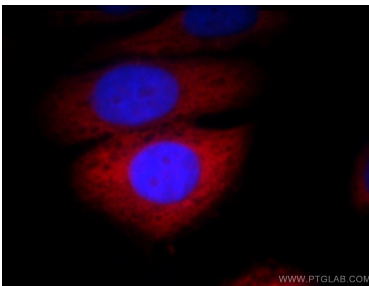
Various lysates were subjected to SDS PAGE followed by western blot with 11641-1-AP (GNAI3 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



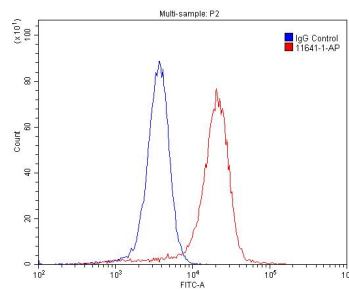
Immunohistochemical analysis of paraffin-embedded human kidney using 11641-1-AP (GNAI3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 11641-1-AP (GNAI3 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells, using GNAI3 antibody 11641-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



$1 \times 10^6$  A431 cells were stained with .2ug GNAI3 antibody (11641-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.