

For Research Use Only

# GGA2 Polyclonal antibody

Catalog Number: 10356-1-AP

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 10356-1-AP	<b>GenBank Accession Number:</b> BC000284	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23062	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:200-1:800 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UJY4	
<b>Isotype:</b> IgG	<b>Full Name:</b> golgi associated, gamma adaptin ear containing, ARF binding protein 2	
<b>Immunogen Catalog Number:</b> AG0370	<b>Calculated MW:</b> 67 kDa	
	<b>Observed MW:</b> 67 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat

**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 :** mouse brain tissue, HeLa cells, mouse adipose tissue, human kidney tissue

**IHC :** human colon cancer tissue, human stomach cancer tissue

**IF/ICC :** HeLa cells,

## Background Information

GGA2, also known as VEAR, belongs to the GGA protein family and regulates the trafficking of proteins between the trans-Golgi network and the lysosome. GGA2 has an amino-terminal VHS domain in its N terminus which mediates sorting of the mannose 6-phosphate receptors at the trans-Golgi network. They also contain a carboxy-terminal region with homology to the ear domain of gamma-adaptins.

## Notable Publications

Author	Pubmed ID	Journal	Application
Arunas Kvainickas	28935632	J Cell Biol	WB
Bing Li	35265682	Front Cardiovasc Med	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

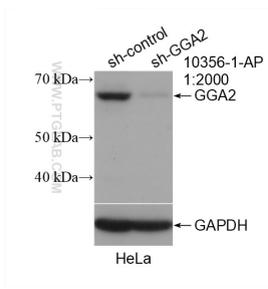
For technical support and original validation data for this product please contact:

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

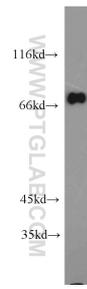
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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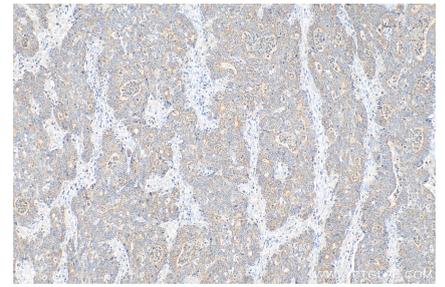
## Selected Validation Data



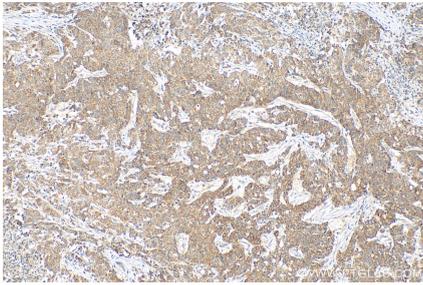
WB result of GGA2 antibody (10356-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-GGA2 transfected HeLa cells.



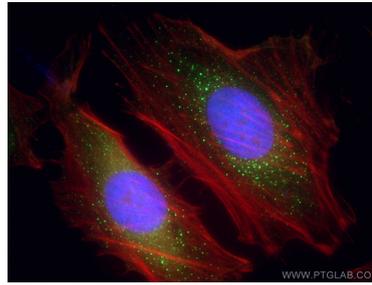
mouse brain tissue were subjected to SDS PAGE followed by western blot with 10356-1-AP (GGA2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10356-1-AP (GGA2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 10356-1-AP (GGA2 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GGA2 antibody (10356-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).