

For Research Use Only

# RALA Polyclonal antibody

Catalog Number: 13629-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 13629-1-AP	<b>GenBank Accession Number:</b> BC039858	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 240 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5898	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> v-ral simian leukemia viral oncogene homolog A (ras related)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 206 aa, 24 kDa	
<b>Immunogen Catalog Number:</b> AG4547	<b>Observed MW:</b> 24 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

IHC, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, 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 : mouse brain tissue, human brain tissue, rat brain tissue, fetal human brain tissue, MCF-7 cells, HeLa cells

IHC : human breast cancer tissue,

## Background Information

RALA belongs to the small GTPase superfamily. Multifunctional GTPase involved in a variety of cellular processes including gene expression, cell migration, cell proliferation, oncogenic transformation and membrane trafficking. RALA plays a role in the early stages of cytokinesis and is required to tether the exocyst to the cytokinetic furrow. The RALA-exocyst complex regulates integrin-dependent membrane raft exocytosis and growth signaling. As an effector of the proto-oncogene Ras, it play an important role in the molecular pathology of human malignancies.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yoshihiro Miyagawa	33110478	Oncotarget	WB
Yuting Wang	34869198	Front Chem	WB, IHC
Xiao Wang	33186557	Cell Metab	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

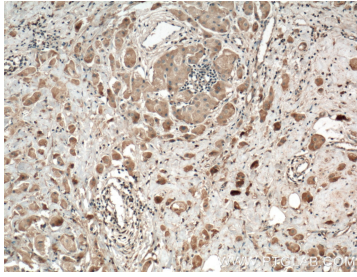
For technical support and original validation data for this product please contact:

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

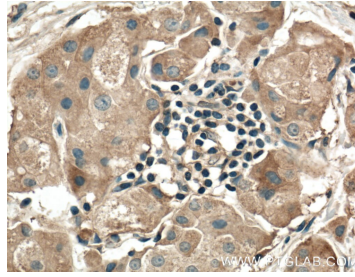
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

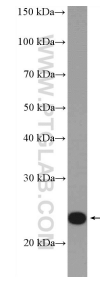
## Selected Validation Data



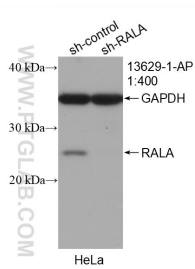
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13629-1-AP (RALA Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 13629-1-AP (RALA Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13629-1-AP (RALA Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



WB result of RALA antibody (13629-1-AP; 1:400; incubated at room temperature for 1.5 hours) with sh-Control and sh-RALA transfected HeLa cells.