

For Research Use Only

# RALA Polyclonal antibody

Catalog Number: 13629-1-AP **3 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: 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

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB: mouse brain tissue, fetal human brain tissue, human brain tissue, MCF-7 cells, rat brain tissue IHC: human breast cancer tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
Xiao Wang	33186557	Cell Metab	WB
Liang Jiang	25343104	Intractable Rare Dis Res	WB

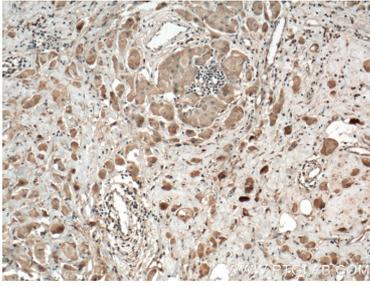
## Storage

**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

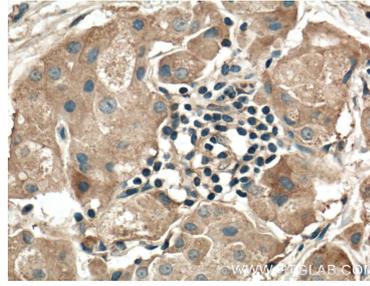
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

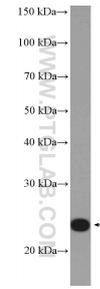
## Selected Validation Data



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.