

For Research Use Only

# RALB Monoclonal antibody

Catalog Number: 67094-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 67094-1-Ig	<b>GenBank Accession Number:</b> BC018163	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5899	<b>CloneNo.:</b> 1D11C11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P11234	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF-P 1:400-1:1600
<b>Isotype:</b> IgG2a	<b>Full Name:</b> v-ral simian leukemia viral oncogene homolog B (ras related; GTP binding protein)	<b>Affinity:</b> $K_D = 1.82 \times 10^{-10}M$ $K_{off} = 2.54 \times 10^{-6}M$ $K_{on} = 1.40 \times 10^4M$
<b>Immunogen Catalog Number:</b> AG28600	<b>Calculated MW:</b> 206 aa, 23 kDa <b>Observed MW:</b> 24 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF-P, ELISA	<b>Positive Controls:</b> <b>WB :</b> HeLa cells, rat brain tissue, mouse brain tissue, MCF-7 cells, HepG2 cells, Jurkat cells, Pig brain cells <b>IHC :</b> mouse bladder tissue, human lung cancer tissue, mouse liver tissue, mouse lung tissue, mouse placenta tissue <b>IF-P :</b> human lung cancer tissue,
<b>Cited Applications:</b> IF, IHC	
<b>Species Specificity:</b> Human, rat, pig, mouse	
<b>Cited Species:</b> human	
<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>	

## Notable Publications

Author	Pubmed ID	Journal	Application
Claire Leist Hinsch	38136383	Cancers (Basel)	IF
Bohyun Kim	37797754	Hum Pathol	IHC

## Storage

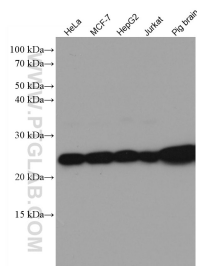
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

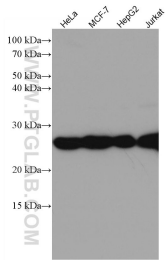
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

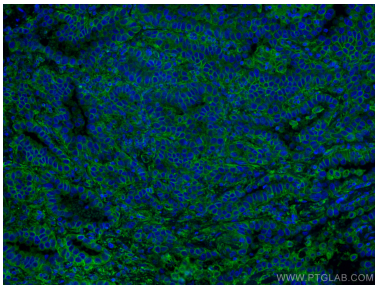
Selected Validation Data



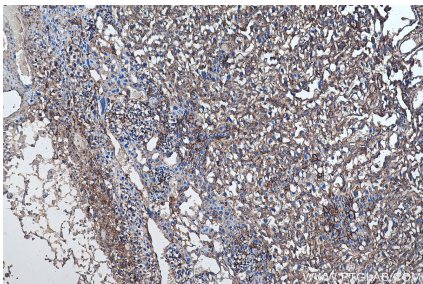
Various lysates were subjected to SDS PAGE followed by western blot with 67094-1-Ig (RALB antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



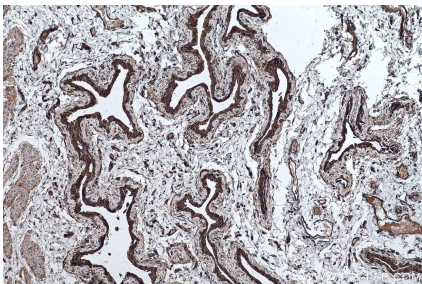
Various lysates were subjected to SDS PAGE followed by western blot with 67094-1-Ig (RALB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



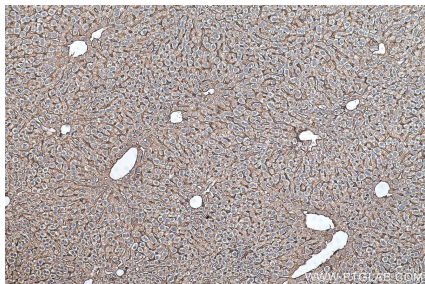
Immunofluorescent analysis of (4% PFA) fixed human lung cancer tissue using RALB antibody (67094-1-Ig, Clone: 1D11C11 ) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).



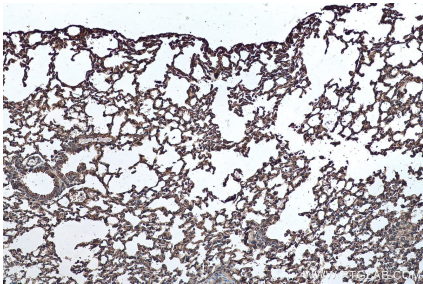
Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 67094-1-Ig (RALB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



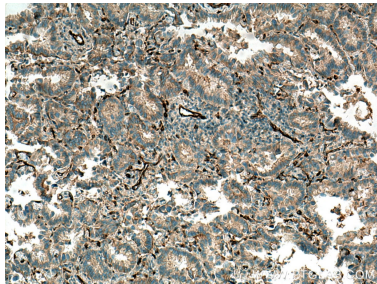
Immunohistochemical analysis of paraffin-embedded mouse bladder tissue slide using 67094-1-Ig (RALB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67094-1-Ig (RALB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 67094-1-Ig (RALB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 67094-1-Ig (RALB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).