

For Research Use Only

# CoraLite®594-conjugated RCAS1 Monoclonal antibody

Catalog Number: CL594-66170



## Basic Information

<b>Catalog Number:</b> CL594-66170	<b>GenBank Accession Number:</b> BC017729	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9166	<b>CloneNo.:</b> 4H8A12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O00559	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> estrogen receptor binding site associated, antigen, 9	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Immunogen Catalog Number:</b> AG2905	<b>Calculated MW:</b> 213 aa, 24 kDa	
	<b>Observed MW:</b> 34 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human	

## Background Information

Estrogen receptor-binding fragment-associated antigen 9 (EBAG9) gene was identified as an estrogen-responsive gene. The gene product, receptor-binding cancer antigen expressed on SiSo cells (RCAS1), is associated with aggressive characteristics and poor overall survival for 15 different human malignancies. The correlation between RCAS1 expression and several clinicopathological variables, including tumor size, clinical stage, invasion depth and lymph node metastasis highlights this molecule's clinical significance. Expression of RCAS1 in tumor cells plays an important role in evasion from host immune system resulting tumor progression, invasion and metastasis. Further exploration of RCAS1 biological function will facilitate development of novel therapeutic strategies that target RCAS1.

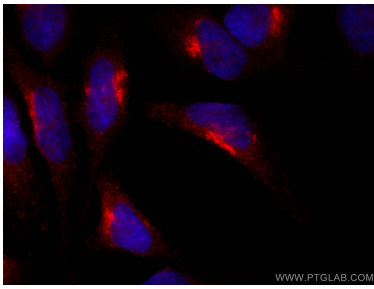
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, 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](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite®594 RCAS1 antibody (CL594-66170, Clone: 4H8A12 ) at dilution of 1:200.