

For Research Use Only

CoraLite® Plus 488-conjugated RCAS1 Monoclonal antibody

Catalog Number: CL488-66170



Basic Information

Catalog Number:

CL488-66170

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG2905

GenBank Accession Number:

BC017729

GeneID (NCBI):

9166

UNIPROT ID:

O00559

Full Name:

estrogen receptor binding site associated, antigen, 9

Calculated MW:

213 aa, 24 kDa

Observed MW:

34 kDa

Purification Method:

Protein G purification

CloneNo.:

4H8A12

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : MCF-7 cells,

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

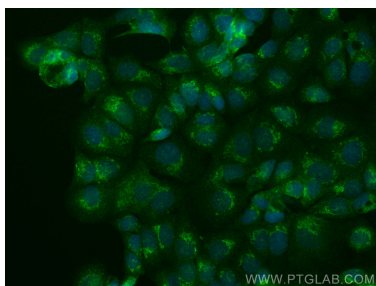
For technical support and original validation data for this product please contact:

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

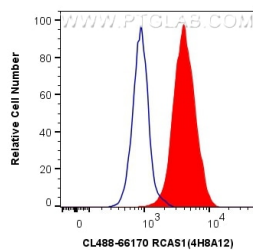
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 RCAS1 antibody (CL488-66170, Clone: 4H8A12) at dilution of 1:200.



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human RCAS1 (CL488-66170, Clone:4H8A12) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).