

For Research Use Only

RCAS1 Polyclonal antibody

Catalog Number: 12255-1-AP

Featured Product

1 Publications



Basic Information

Catalog Number:

12255-1-AP

Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 373 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

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:

32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF/ICC 1:600-1:2400

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

rat

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: HEK-293 cells, HeLa cells, mouse heart tissue, rat heart tissue

IP: HeLa cells,

IHC: human colon tissue,

IF/ICC: HEK-293 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Chunlan Liang	38583733	J Ethnopharmacol	WB, IHC

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

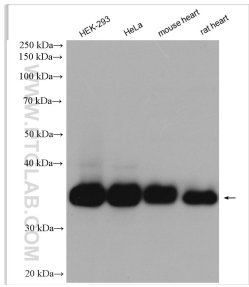
For technical support and original validation data for this product please contact:

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

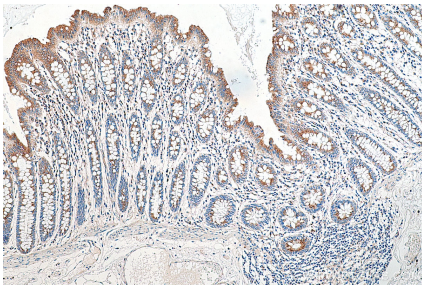
E: proteintech@ptglab.com
W: ptglab.com

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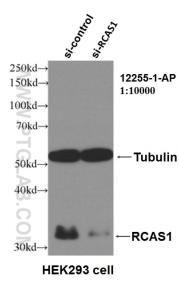
Selected Validation Data



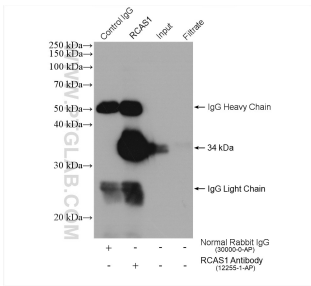
Various lysates were subjected to SDS PAGE followed by western blot with 12255-1-AP (RCAS1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



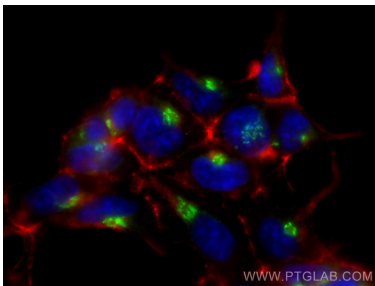
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 12255-1-AP (RCAS1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of RCAS1 antibody (12255-1-AP, 1:10000) with si-control and si-RCAS1 transfected HEK293 cells.



IP result of anti-RCAS1 (IP:12255-1-AP, 4ug; Detection:12255-1-AP 1:2000) with HeLa cells lysate 1720 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HEK-293 cells using RCAS1 antibody (12255-1-AP) at dilution of 1:1200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CoraLite® 594 Beta Actin antibody (CL594-66009, Clone: 2D4H5, red).