

For Research Use Only

RASA2 Polyclonal antibody

Catalog Number: 31586-1-AP



Basic Information

Catalog Number:

31586-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35885

GenBank Accession Number:

NM_001303245

GeneID (NCBI):

5922

UNIPROT ID:

Q15283

Full Name:

RAS p21 protein activator 2

Calculated MW:

96kDa

Observed MW:

97 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

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

IHC: 1:300-1:1200

IF/ICC: 1:50-1:500

Applications

Tested Applications:

IHC, IF/ICC, IP, ELISA

Species Specificity:

human

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:

IP: Jurkat cells, A431 cells

IHC: human Hepatocellular carcinoma,

IF/ICC: A431 cells,

Background Information

Ras GTPase-activating protein 2 (RASA2) is also named GAP1M and RASGAP. RASA2 was a critical RAS-specific GAP, inhibition of which permitted increased proliferation following TCR stimulation under conditions of immunosuppression (PMID: 37858490). RASA2 was identified as an inhibitor of RAS signaling in multiple human tumors, including melanoma, where inactivating RASA2 mutations have been found (PMID: 26502337). RASA2 is also one of the genes mutated in Noonan syndrome, a Rasopathy associated with developmental defects and elevated RAS activity (PMID: 25049390). RASA2 is expressed in both CD4+ and CD8+ T cells (PMID: 36002574).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

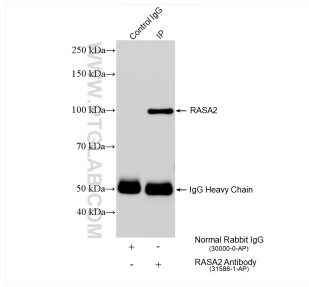
T: 4006900926

E: Proteintech-CN@ptglab.com

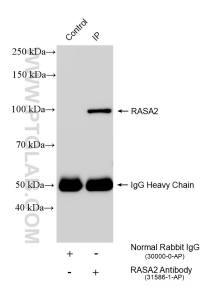
W: ptgcn.com

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

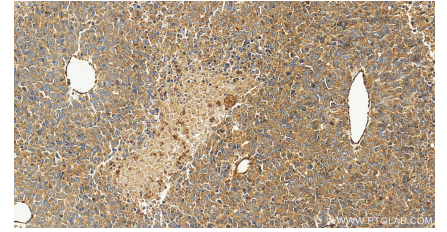
Selected Validation Data



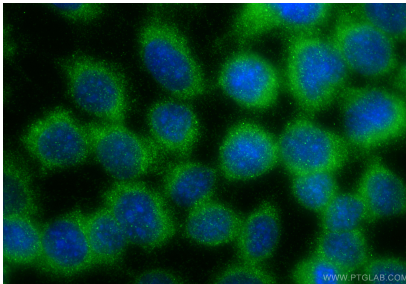
IP result of anti-RASA2 (IP:31586-1-AP, 4ug; Detection:31586-1-AP 1:1000) with Jurkat cells lysate 1920 ug.



IP result of anti-RASA2 (IP:31586-1-AP, 4ug; Detection:31586-1-AP 1:1000) with A431 cells lysate 1120 ug.



Immunohistochemical analysis of paraffin-embedded human Hepatocellular carcinoma slide using 31586-1-AP (RASA2 antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using RASA2 antibody (31586-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).