

For Research Use Only

RASIP1 Polyclonal antibody

Catalog Number: 17971-1-AP

3 Publications



Basic Information

Catalog Number:

17971-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11982

GenBank Accession Number:

BC028614

GeneID (NCBI):

54922

UNIPROT ID:

Q5U651

Full Name:

Ras interacting protein 1

Calculated MW:

963 aa, 103 kDa

Observed MW:

115 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 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

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 : mouse lung tissue, rat lung tissue

IP : mouse lung tissue,

IHC : human lung tissue,

IF/ICC : HepG2 cells,

Background Information

RASIP1, also named as Ras-interacting protein 1 or Rain, is a 963 amino acid protein, which contains one dilute domain and one Ras-associating domain. RASIP1 is highly expressed in heart and detected at lower levels in placenta and pancreas. RASIP1 is required for the proper formation of vascular structures that develop via both vasculogenesis and angiogenesis. RASIP1 acts as a critical and vascular-specific regulator of GTPase signaling, cell architecture, and adhesion, which is essential for endothelial cell morphogenesis and blood vessel tubulogenesis.

Notable Publications

Author	Pubmed ID	Journal	Application
Alexandra Le Bras	29191922	Arterioscler Thromb Vasc Biol	IF
Gerel Melig	37553580	Inflamm Regen	IF
Wenjie Shi	37331689	Neuroscience	WB

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

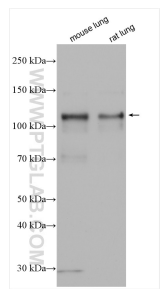
For technical support and original validation data for this product please contact:

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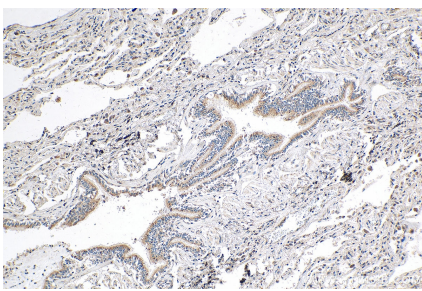
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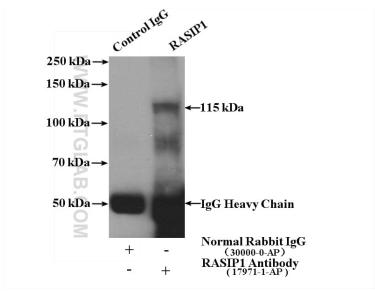
Selected Validation Data



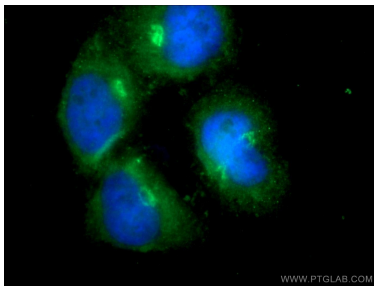
Various lysates were subjected to SDS PAGE followed by western blot with 17971-1-AP (RASIP1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 17971-1-AP (RASIP1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-RASIP1 (IP:17971-1-AP, 4ug; Detection:17971-1-AP 1:500) with mouse lung tissue lysate 4000ug.



Immunofluorescent analysis of HepG2 cells using 17971-1-AP (RASIP1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).