

For Research Use Only

Rubicon Polyclonal antibody

Catalog Number: 21444-1-AP

Featured Product

20 Publications



Basic Information

Catalog Number:

21444-1-AP

Concentration:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG13715

GenBank Accession Number:

BC033615

GeneID (NCBI):

9711

UNIPROT ID:

Q92622

Full Name:

KIAA0226

Calculated MW:

972 aa, 109 kDa

Observed MW:

110-130 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, 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 : mouse liver tissue, HeLa cells, HepG2 cells

IHC : human testis tissue, human tonsillitis tissue

IF/ICC : HepG2 cells, A431 cells

Background Information

Rubicon (Run domain Beclin-1 interacting and cysteine-rich containing protein) consists of an N-terminal RUN domain, a middle region that includes its PI3K-binding domain (PIKBD), a coiled-coil domain (CCD), a serine-rich region (S-R), a helix-coil-rich domain (H-C) and a C-terminal Rubicon homology domain (RH) (PMID: 36288306). Rubicon is ubiquitously expressed in most tissue and organs.

Notable Publications

Author	Pubmed ID	Journal	Application
Wei Cai	36170234	Autophagy	WB,IF,IP
Luis Muniz-Feliciano	28933590	Autophagy	WB,IF
Xiaosen Ouyang	34504306	Lab Invest	IHC

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:

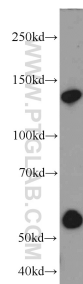
T: 4006900926

E: Proteintech-CN@ptglab.com

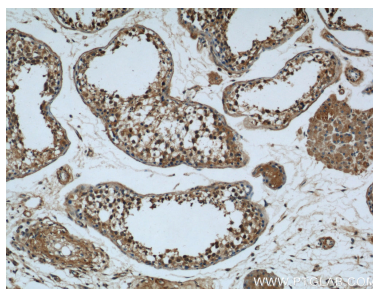
W: ptgcn.com

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

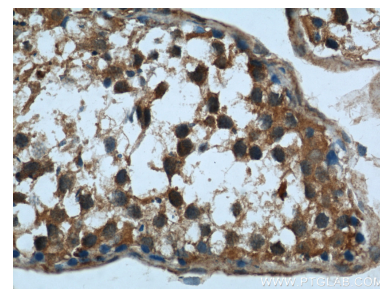
Selected Validation Data



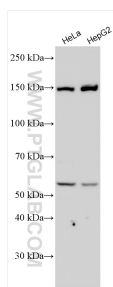
mouse liver tissue were subjected to SDS PAGE followed by western blot with 21444-1-AP (Rubicon antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



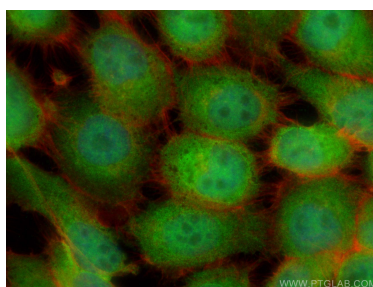
Immunohistochemical analysis of paraffin-embedded human testis using 21444-1-AP (Rubicon antibody) at dilution of 1:50 (under 10x lens).



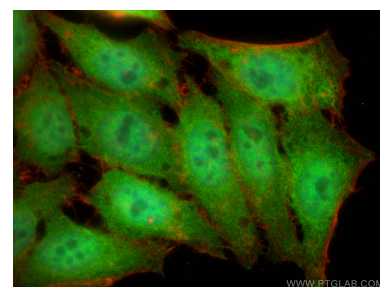
Immunohistochemical analysis of paraffin-embedded human testis using 21444-1-AP (Rubicon antibody) at dilution of 1:50 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 21444-1-AP (Rubicon antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using Rubicon antibody (21444-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Rubicon antibody (21444-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).