

For Research Use Only

Rubicon Polyclonal antibody

Catalog Number: 21444-1-AP

Featured Product

17 Publications



Basic Information

Catalog Number: 21444-1-AP	GenBank Accession Number: BC033615	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 900 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9711	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: KIAA0226	
Isotype: IgG	Calculated MW: 972 aa, 109 kDa	
Immunogen Catalog Number: AG13715	Observed MW: 110-130 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, IHC, IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, 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 liver tissue, HeLa cells, HepG2 cells

IHC: human testis tissue, human tonsillitis tissue

IF: 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

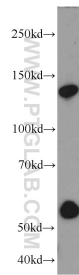
For technical support and original validation data for this product please contact:

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

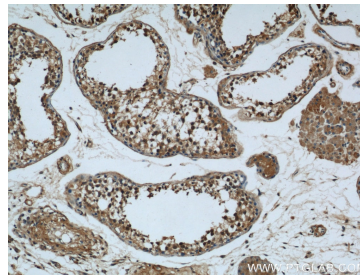
E: proteintech@ptglab.com
W: ptglab.com

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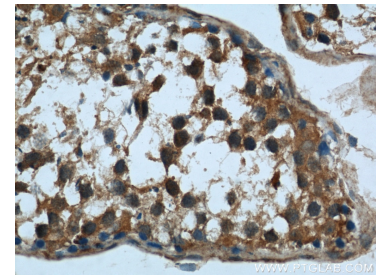
Selected Validation Data



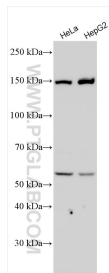
mouse liver tissue were subjected to SDS PAGE followed by western blot with 21444-1-AP (Rubicon antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



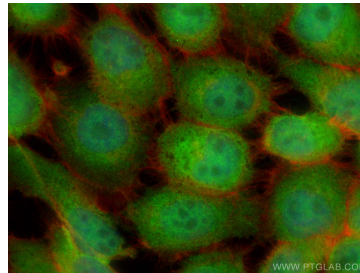
Immunohistochemical analysis of paraffin-embedded human testis using 21444-1-AP (Rubicon antibody) at dilution of 1:50 (under 10x lens).



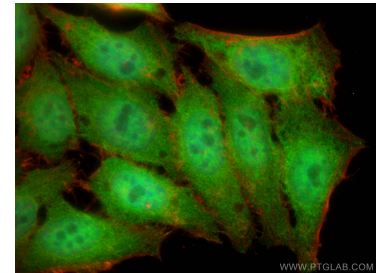
Immunohistochemical analysis of paraffin-embedded human testis using 21444-1-AP (Rubicon antibody) at dilution of 1:50 (under 40x lens).



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 AffiniPure 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 AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).