

For Research Use Only

RRBP1 Polyclonal antibody

Catalog Number: 22015-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

22015-1-AP

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16648

GenBank Accession Number:

BC128577

GeneID (NCBI):

6238

UNIPROT ID:

Q9P2E9

Full Name:

ribosome binding protein 1 homolog

180kDa (dog)

Calculated MW:

1410 aa, 152 kDa

Observed MW:

180 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:2000-1:8000

IF 1:50-1:500

Applications

Tested Applications:

FC, IF/ICC, IHC, WB, ELISA

Cited Applications:

WB, IP, IF, IHC

Species Specificity:

human, mouse

Cited Species:

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:

WB: HeLa cells, mouse pancreas tissue, HepG2 cells

IHC: human lung cancer tissue, human pancreas tissue

IF: NIH/3T3 cells, HepG2 cells

Background Information

Ribosome-binding protein 1 (RRBP1) is an endoplasmic reticulum membrane protein. It is a 1410 amino acid protein composed of a hydrophobic NH₂-terminus that includes a transmembrane domain, a highly conserved tandem repeat (ribosome-binding domain), and an acidic coiled-coil COOH-terminal domain. RRBP1 acts as a ribosome receptor and mediates interaction between the ribosome and the endoplasmic reticulum membrane. It is also involved in early cardiac morphogenesis (PMID: 22709790; 8812507; 7686155). RRBP1 has two different isoforms with molecular weights of 150 kDa and 109 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Wenqing Wang	34618999	Mol Oncol	WB,IF,IP
Yuan Wang	32524001	Sci Adv	IF
Wonyul Jang	36520888	Science	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

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

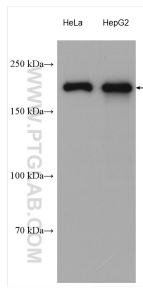
T: 4006900926

E: Proteintech-CN@ptglab.com

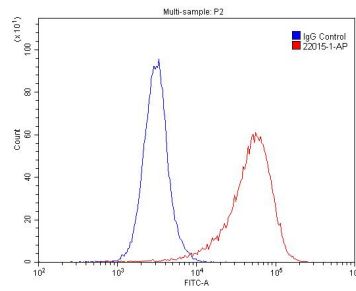
W: ptgcn.com

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

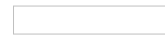
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22015-1-AP (RRBP1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



1×10^6 BxPC-3 cells were stained with 0.2ug RRBP1 antibody (22015-1-AP, red) and control antibody (blue). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500. Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100.



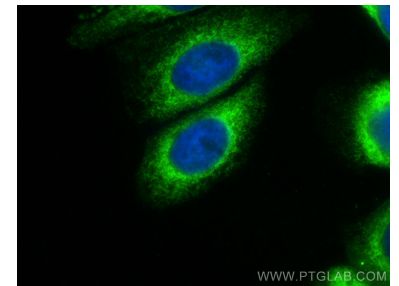
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 22015-1-AP (RRBP1 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 22015-1-AP (RRBP1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 22015-1-AP (RRBP1 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RRBP1 antibody (22015-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using RRBP1 antibody (22015-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed NIH/3T3 cells using RRBP1 antibody (22015-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using RRBP1 antibody (22015-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red).