

For Research Use Only

RNF7 Polyclonal antibody

Catalog Number: 11905-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

11905-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2553

GenBank Accession Number:

BC008627

GeneID (NCBI):

9616

UNIPROT ID:

Q9UBF6

Full Name:

ring finger protein 7

Calculated MW:

113 aa, 13 kDa

Observed MW:

13 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

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

IF-P 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IF-P, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB : human liver tissue, human heart tissue, human skeletal muscle tissue, human testis tissue

IP : mouse heart tissue,

IF-P : mouse heart tissue,

IF/ICC : U2OS cells,

Background Information

RNF (ring finger protein 7) is a novel zinc RING finger protein which is redox responsive and protects mammalian cells from apoptosis. It is shown to be localized in the cytoplasm and nucleus of the cell and is expressed in the heart, liver, skeletal muscle predominantly. RNF7 forms oligomers (55 kDa), dimer (28 kDa) and monomer (13 kDa) in the presence of different concentrations of the reductant.

Notable Publications

Author	Pubmed ID	Journal	Application
Tengyu Ko	30844312	FASEB J	WB
Junfeng Xu	25540389	Mol Cell Proteomics	WB
Fengwu Zhang	39762645	EMBO J	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

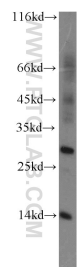
For technical support and original validation data for this product please contact:

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

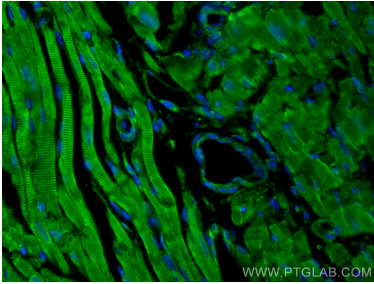
E: proteintech@ptglab.com
W: ptglab.com

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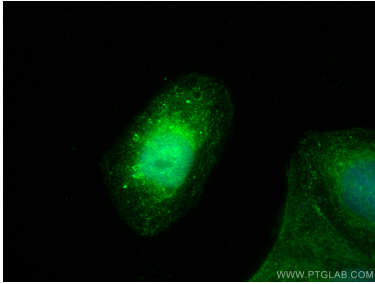
Selected Validation Data



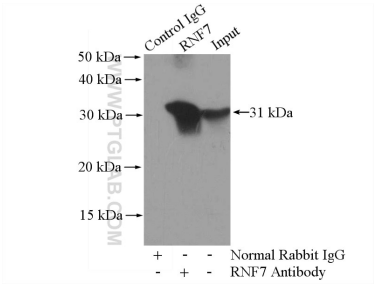
human liver tissue were subjected to SDS PAGE followed by western blot with 11905-1-AP (RNF7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using RNF7 antibody (11905-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using RNF7 antibody (11905-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).



IP result of anti-RNF7 (IP:11905-1-AP, 4ug; Detection:11905-1-AP 1:600) with mouse heart tissue lysate 4400ug.