



Rabbit Anti-RNF158 antibody

SL9230R

Product Name:	RNF158
Chinese Name:	心脏蛋白磷酸酶1Binding protein/Ring finger protein158抗体
Alias:	Heart protein phosphatase 1-binding protein; HEPP1; Putative E3 ubiquitin protein ligase SH3RF2; Putative E3 ubiquitin-protein ligase SH3RF2; RING finger protein 158; SH3 domain containing RING finger protein 2; SH3 domain-containing RING finger protein 2; SH3R2_HUMAN; Sh3rf2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	79kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RNF158:621-729/729
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The RING-type zinc finger motif is present in a number of viral and eukaryotic proteins and is made of a conserved cysteine-rich domain that is able to bind two zinc atoms. Proteins that contain this conserved domain are generally involved in the ubiquitination pathway of protein degradation. SH3RF2 (SH3 domain containing ring finger 2), also

known as RNF158, is a 729 amino acid protein with one RING-type zinc finger domain and three SH3 domains. Via its RING-type zinc finger domain, SH3RF2 binds an E2 ubiquitin-conjugating enzyme. This suggests that SH3RF2 functions as an E3 ubiquitin-protein ligase that accepts a ubiquitin residue from an E2 ubiquitin-conjugating enzyme and immediately transfers that residue to a protein that is targeted for degradation. Due to alternative splicing events, SH3RF2 is expressed as two different isoforms.

Function:

Inhibits PPP1CA phosphatase activity. May be a E3 ubiquitin-protein ligase (Potential). May play a role in cardiac function.

Subunit:

Interacts with FASLG and PPP1CA.

Tissue Specificity:

Heart (at protein level). Heart and testis. In the heart, present in the apex, left atrium, right atrium, left ventricle and right ventricle, but not in the aorta.

Similarity:

Belongs to the SH3RF family.
Contains 1 RING-type zinc finger.
Contains 3 SH3 domains.

SWISS:

Q8TEC5

Gene ID:

153769

Database links:

[Entrez Gene: 153769](#)Human

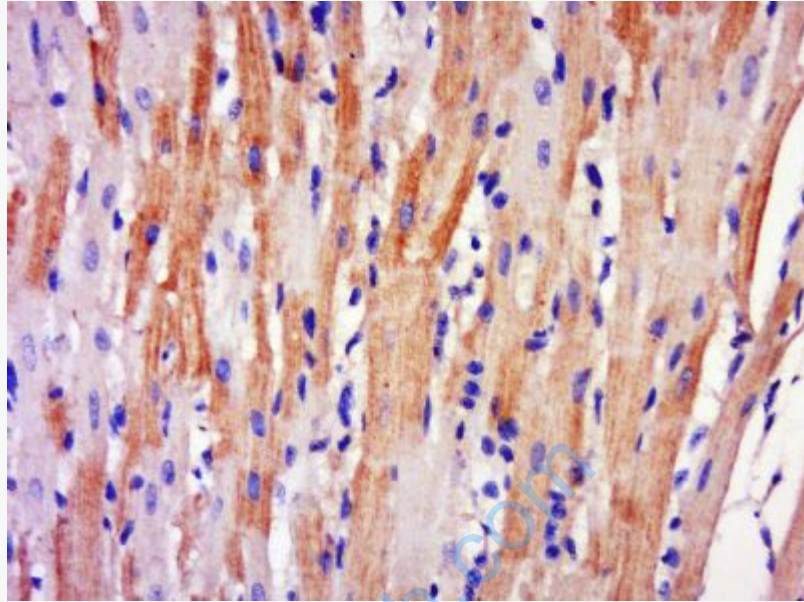
[Omic: 613377](#)Human

[SwissProt: Q8TEC5](#)Human

[Unigene: 443728](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Tissue/cell: rat heart tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-RNF158 Polyclonal Antibody, Unconjugated(SL9230R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining