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Rabbit Anti-SDPR antibody

SL19605R

Product Name:	SDPR
Chinese Name:	磷脂酰丝氨酸Binding proteinSDPR抗体
Alias:	Cavin 2; Cavin-2; Phosphatidylserine binding protein; Phosphatidylserine-binding protein; PS p68; PS-p68; Sdpr; SDPR_HUMAN; SDR; Serum deprivation response; Serum deprivation response protein; Serum deprivation-response protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	47kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SDPR:231-330/425
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:	This gene encodes a calcium-independent phospholipid-binding protein whose expression increases in serum-starved cells. This protein is a substrate for protein kinase C (PKC) phosphorylation and recruits polymerase I and transcript release factor (PTRF) to caveolae. Removal of this protein causes caveolae loss and its over-expression results in caveolae deformation and membrane tubulation.[provided by RefSeq, Sep 2009]

Function:
May play a role in targeting PRKCA to caveolae.

Subcellular Location:
Cytoplasm > cytosol. Membrane > caveola. Colocalizes with CAV1 to caveolae.

Tissue Specificity:
Highly expressed in heart and lung, and expressed at lower levels in brain, kidney, liver, pancreas, placenta, and skeletal muscle.

Post-translational modifications:
Phosphorylated on Ser residues.

Similarity:
Belongs to the PTRF/SDPR family.

SWISS:
O95810

Gene ID:
8436

Database links:

Entrez Gene: 8436 Human

Entrez Gene: 20324 Mouse

Entrez Gene: 316384 Rat

Omim: 606728 Human

SwissProt: O95810 Human

SwissProt: Q63918 Mouse

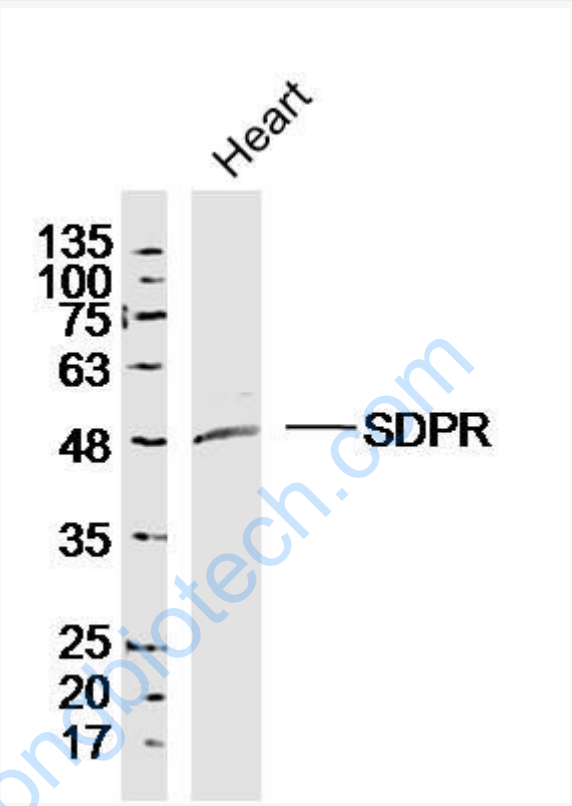
SwissProt: Q66H98 Rat

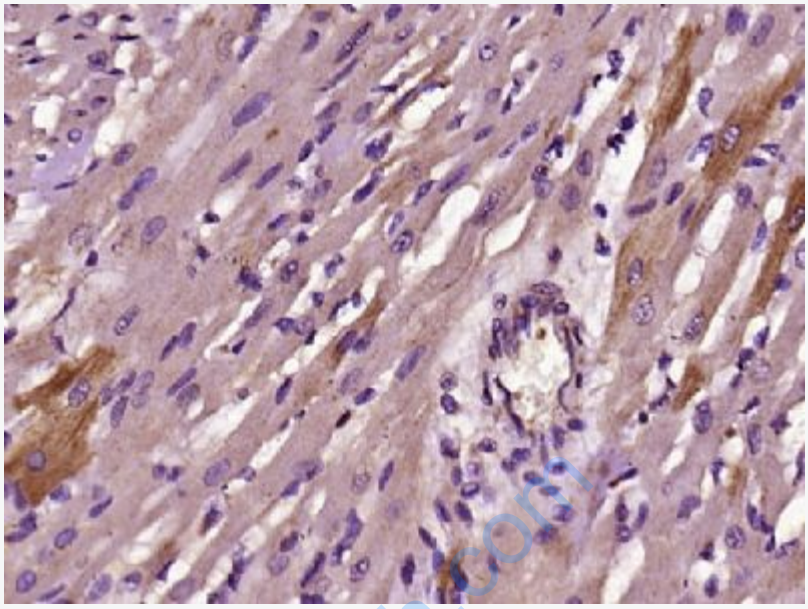
Unigene: 26530 Human

Unigene: 480575 Mouse

Unigene: 203035 Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Protein: heart(mouse) lysate at 40ug; Primary: rabbit Anti-SDPR (SL19605R) at 1:300; Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 47 kD Observed band size: 47 kD



Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SDPR) Polyclonal Antibody, Unconjugated (SL19605R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.