

Rabbit Anti-ACN9/PE Conjugated antibody

SL12444R-PE

Product Name	Anti-ACN9/PE
Chinese Name	PE 标记的 ACN9 蛋白抗体
Alias	ACN 9; acn9; ACN9 homolog (S. cerevisiae); ACN9 homolog; SDHF3_HUMAN; DC11; Protein ACN9 homolog mitochondrial; Protein ACN9 homolog, mitochondrial; Succinate Dehydrogenase Complex Assembly Factor 3; SDH Assembly Factor 3; DC11; Sdh7;
Research Area	Cell biology Signal transduction transcriptional regulatory factor Channel protein Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat) ICC/IF=1:50-200,IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	11kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human ACN9
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: SDHAF3 (Succinate Dehydrogenase Complex Assembly Factor 3) is a Protein Coding gene. Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and

the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol. Promotes maturation of the iron-sulfur protein subunit SDHB of the SDH catalytic dimer, protecting it from the deleterious effects of oxidants. May act together with SDHAF1.

Function:

Plays an essential role in the assembly of succinate dehydrogenase (SDH), an enzyme complex (also referred to as respiratory complex II) that is a component of both the tricarboxylic acid (TCA) cycle and the mitochondrial electron transport chain, and which couples the oxidation of succinate to fumarate with the reduction of ubiquinone (coenzyme Q) to ubiquinol. Promotes maturation of the iron-sulfur protein subunit SDHB of the SDH catalytic dimer, protecting it from the deleterious effects of oxidants. May act together with SDHAF1.

Subcellular Location:

Mitochondrion matrix

Similarity:

Belongs to the ACN9 family.

Belongs to the complex I LYR family. SDHAF3 subfamily.

Database links:

[Entrez Gene: 57001](#) Human

[Entrez Gene: 71238](#) Mouse

[SwissProt: Q9NRP4](#) Human

[SwissProt: Q8BQU3](#) Mouse

[Unigene: 592269](#) Human

[Unigene: 389086](#) Mouse

Important Note:

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