



Rabbit Anti-SGCE antibody

SL17311R

Product Name:	SGCE
Chinese Name:	SGCE蛋白抗体
Alias:	dystonia 11, myoclonic; DYT11; Epsilon sarcoglycan; Epsilon SG; Epsilon-sarcoglycan; Epsilon-SG; ESG; sarcoglycan, epsilon; sgcE; SGCE HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
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:	50kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SGCE:61-160/437<Extracellular>
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 the epsilon member of the sarcoglycan family. Sarcoglycans are transmembrane proteins that are components of the dystrophin-glycoprotein complex, which link the actin cytoskeleton to the extracellular matrix. Unlike other family members which are predominantly expressed in striated muscle, the epsilon sarcoglycan is more broadly expressed. Mutations in this gene are associated with myoclonus-

dystonia syndrome. This gene is imprinted, with preferential expression from the paternal allele. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2010]

Function:

Component of the sarcoglycan complex, a subcomplex of the dystrophin-glycoprotein complex which forms a link between the F-actin cytoskeleton and the extracellular matrix.

Subcellular Location:

Cell membrane > sarcolemma. Cytoplasm > cytoskeleton.

Tissue Specificity:

Ubiquitous.

DISEASE:

Defects in SGCE are a cause of dystonia type 11 (DYT11) [MIM:159900]; also known as myoclonic dystonia or alcohol-responsive dystonia. DYT11 is a myoclonic dystonia. Dystonia is defined by the presence of sustained involuntary muscle contractions, often leading to abnormal postures. DYT11 is characterized by involuntary lightning jerks and dystonic movements and postures alleviated by alcohol. Inheritance is autosomal dominant. The age of onset, pattern of body involvement, presence of myoclonus and response to alcohol are all variable.

Similarity:

Belongs to the sarcoglycan alpha/epsilon family.

SWISS:

O43556

Gene ID:

8910

Database links:

[Entrez Gene: 407209](#) Cow

[Entrez Gene: 8910](#) Human

[Entrez Gene: 20392](#) Mouse

[Entrez Gene: 100240725](#) Pig

[Entrez Gene: 432360](#) Rat

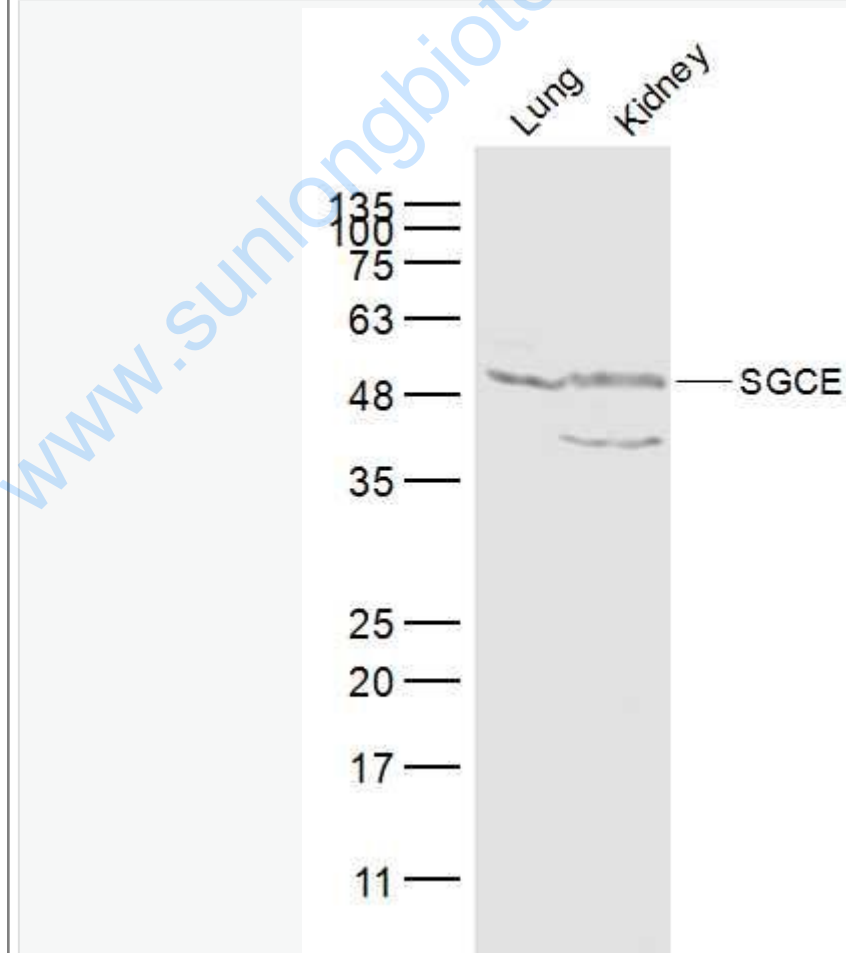
[Omim: 604149](#) Human

[SwissProt: Q29S03](#) Cow
[SwissProt: O43556](#) Human
[SwissProt: O70258](#) Mouse
[SwissProt: Q6YAT4](#) Rat
[Unigene: 371199](#) Human
[Unigene: 8739](#) Mouse
[Unigene: 185815](#) Rat

Important Note:

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

Picture:



Sample:

Lung (Mouse) Lysate at 40 ug

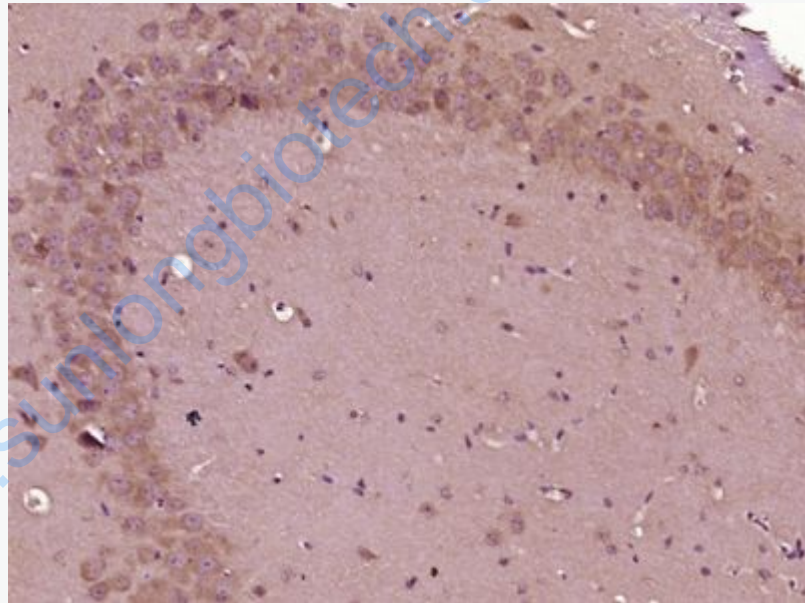
Kidney (Mouse) Lysate at 40 ug

Primary: Anti-SGCE (SL17311R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

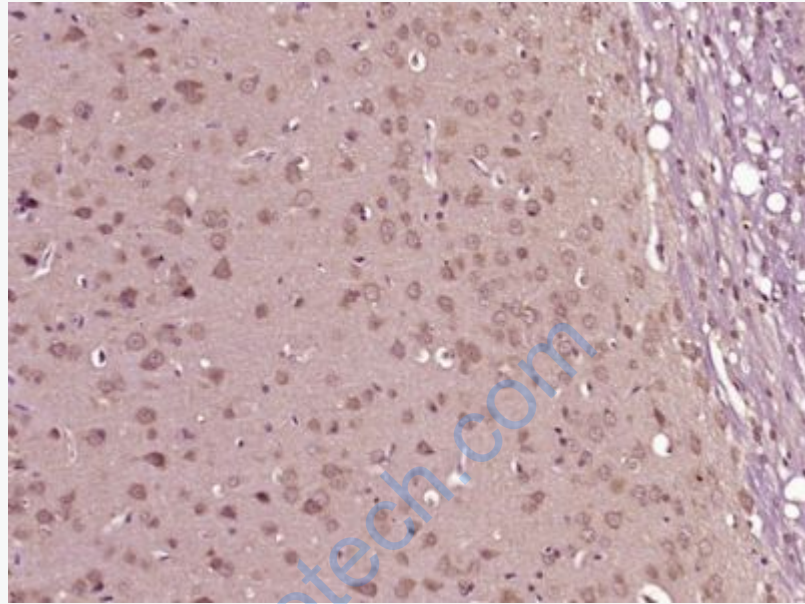
Predicted band size: 50 kD

Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (SGCE) Polyclonal Antibody, Unconjugated (SL17311R) at 1:400 overnight at 4°C, followed by operating according to SP

Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); 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 (SGCE) Polyclonal Antibody, Unconjugated (SL17311R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.