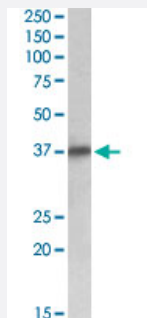


SGCD polyclonal antibody

Catalog # PAB27590

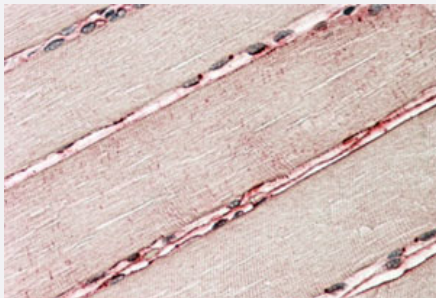
Size 100 ug

Applications



Western Blot (Tissue lysate)

SGCD polyclonal antibody (Cat # PAB27590) (0.1ug/ml) staining of human heart lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

SGCD polyclonal antibody (Cat # PAB27590) (3.8ug/ml) staining of paraffin embedded human skeletal muscle. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of SGCD.
Immunogen	A synthetic peptide corresponding to amino acids 245-257 at internal region of human SGCD.
Sequence	RLPHGSYPTGTR
Host	Goat
Theoretical MW (kDa)	37
Reactivity	Chicken, Dog, Human, Mouse, Pig, Rat
Purification	Antigen affinity purification

Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (0.1-0.3ug/ml) Immunohistochemistry (3-5ug/ml) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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Gene Info — SGCD

Entrez GeneID	6444
Protein Accession#	NP_000328.2;NP_758447.1;NP_001121681.1
Gene Name	SGCD
Gene Alias	35DAG, CMD1L, DAGD, MGC22567, SG-delta, SGCDP, SGD
Gene Description	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)
Omim ID	601287 601411 606685
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is one of the four known components of the sarcoglycan complex, which is a subcomplex of the dystrophin-glycoprotein complex (DGC). DGC forms a link between the F-actin cytoskeleton and the extracellular matrix. This protein is expressed most abundantly in skeletal and cardiac muscle. Mutations in this gene have been associated with autosomal recessive limb-girdle muscular dystrophy and dilated cardiomyopathy. Alternatively spliced transcript variants encoding distinct isoforms have been observed for this gene. [provided by RefSeq]

Other Designations

35kD dystrophin-associated glycoprotein|delta-sarcoglycan|dystrophin associated glycoprotein, delta sarcoglycan|placental delta sarcoglycan|sarcoglycan, delta (35kD dystrophin-associated glycoprotein)

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Angina Pectoris](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Coronary Vasospasm](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)