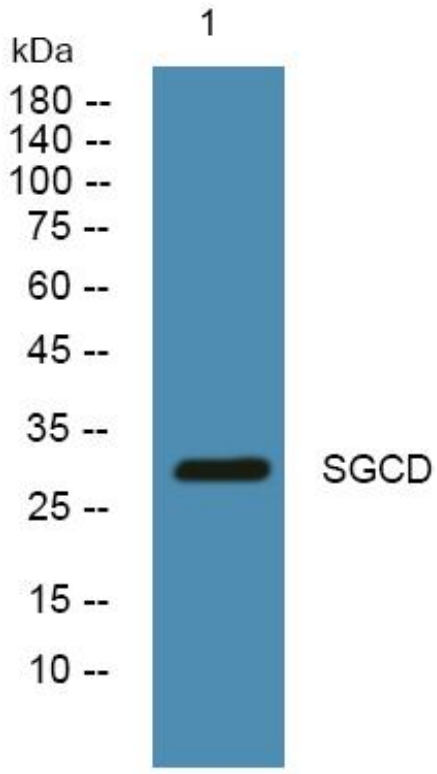
SGCD Monoclonal Antibody

Catalog No	BYmab-07057
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	SGCD
Protein Name	Delta-sarcoglycan (Delta-SG) (35 kDa dystrophin-associated glycoprotein) (35DAG)
Immunogen	Synthesized peptide derived from part region of human protein AA range: 191-240
Specificity	SGCD Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	31kD
Cell Pathway	Cell membrane, sarcolemma; Single-pass type II membrane protein. Cytoplasm, cytoskeleton.
Tissue Specificity	Most strongly expressed in skeletal and cardiac muscle. Also detected in smooth muscle. Weak expression in brain and lung.
Function	disease:Defects in SGCD are the cause of cardiomyopathy dilated type 1L (CMD1L) [MIM:606685]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.,disease:Defects in SGCD are the cause of limb-girdle muscular dystrophy type 2F (LGMD2F) [MIM:601287]. LGMD2F is an autosomal recessive disorder.,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.,online information:SGCD mutations in LGMD2F,PTM:Disulfide bonds are present.,PTM:Glycosylated.,similarity:Belongs to the sarcoglycan

	beta/delta/gamma/zeta family.,subunit:Interacts with FLNC and DAG1. Cross-link to form 2 major subcomplexes: one consisting of SGCB, SGCD and SG
Background	sarcoglycan delta(SGCD) Homo sapiens 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, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using SGCD Monoclonal Antibody