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gamma Sarcoglycan Rabbit pAb

Catalog # AP99271

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q13326
Other Accession	Q13326
Reactivity	Rat
Predicted	Pig, Human, Mouse, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32379
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human gamma Sarcoglycan
Epitope Specificity	151-250/291
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the sarcoglycan beta/delta/gamma/zeta family.
SUBUNIT	Interacts with the syntrophin SNTA1. Cross-link to form 2 major subcomplexes: one consisting of SGCB, SGCD and SGCG and the other consisting of SGCB and SGCD. The association between SGCB and SGCG is particularly strong while SGCA is loosely associated with the other sarcoglycans (By similarity). Interacts with FLNC.
DISEASE	Defects in SGCG are the cause of limb-girdle muscular dystrophy type 2C (LGMD2C) [MIM:253700]. LGMD2C is characterized by progressive muscle wasting from early childhood.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes gamma-sarcoglycan, one of several sarcolemmal transmembrane glycoproteins that interact with dystrophin. The dystrophin-glycoprotein complex (DGC) spans the sarcolemma and is comprised of dystrophin, syntrophin, alpha- and beta-dystroglycans and sarcoglycans. The DGC provides a structural link between the subsarcolemmal cytoskeleton and the extracellular matrix of muscle cells. Defects in the encoded protein can lead to early onset autosomal recessive muscular dystrophy, in particular limb-girdle muscular dystrophy, type 2C (LGMD2C). [provided by RefSeq, Oct 2008]

Additional Information

Gene ID	6445
Other Names	35DAG; A4; DAGA4; DMDA; DMDA1; LGMD2C; LGMDR5; MAM; SCARMD2; gamma-SG; SGCG_HUMAN; SGCG; 35 kDa dystrophin-associated glycoprotein (35DAG); sarcoglycan gamma; sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein); Maghrebian myopathy (autosomal

	recessive); 35kD dystrophin-associated glycoprotein; limb girdle muscular dystrophy 2C (Duchenne-like muscular dystrophy, autosomal recessive); gamma sarcoglycan
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	SGCG
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.
Cellular Location	Cell membrane, sarcolemma; Single- pass type II membrane protein. Cytoplasm, cytoskeleton
Tissue Location	Expressed in skeletal and heart muscle.

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