10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Alpha-sarcoglycan Antibody

Catalog # AP51510

Product Information

Application	WB, IF/IC
Primary Accession	Q16586
Reactivity	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42875

Additional Information

Gene ID	6442
Other Names	ADL; DAG2; Alpha-sarcoglycan; Alpha-SG; 50 kDa dystrophin-associated glycoprotein; 50DAG; Adhalin; Dystroglycan-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Alpha-sarcoglycan. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

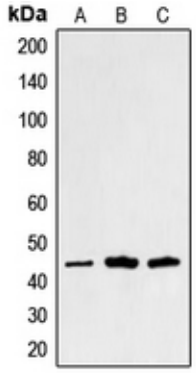
Protein Information

Name	SGCA
Synonyms	ADL, DAG2
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 I membrane protein. Cytoplasm, cytoskeleton
Tissue Location	Most strongly expressed in skeletal muscle. Also expressed in cardiac muscle and, at much lower levels, in lung. In the fetus, most abundant in cardiac muscle and, at lower levels, in lung Also detected in liver and kidney. Not expressed in brain

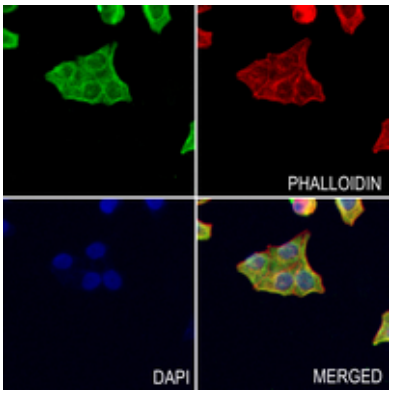
References

Roberds S.L.,et al.Cell 78:625-633(1994).
McNally E.,et al.Proc. Natl. Acad. Sci. U.S.A. 91:9690-9694(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of Alpha-sarcoglycan expression in HuvEc (A), Raw264.7 (B), PC12 (C) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 43 kD)



Immunofluorescent analysis of Alpha-sarcoglycan staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.