

## sarcoglycan $\alpha$ polyclonal antibody

Catalog: BS91204

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

The sarcoglycan transmembrane proteins are members of the dystrophin complex. Sarcoglycans cluster together to form a complex, which is localized in the cell membrane of skeletal, cardiac, and smooth muscle fibers. Four sarcoglycan subunit proteins, designated  $\alpha$ -,  $\beta$ -,  $\gamma$ - and  $\delta$ -sarcoglycan, form a complex on the skeletal muscle cell surface membrane. A genetic defect in any one of these proteins causes the loss or marked decrease of the whole sarcoglycan complex, which is observed in the autosomal recessive muscular dystrophy, sarcoglycanopathy. In smooth muscle,  $\beta$ - and  $\delta$ -sarcoglycans are associated with  $\epsilon$ -sarcoglycan, a glycoprotein homologous to  $\alpha$ -sarcoglycan. Additionally, a complete deficiency in  $\delta$ -sarcoglycan is the cause of the Syrian hamster BIO.14 cardiomyopathy.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

50 kDa

### Swiss-Prot:

Q16586(Human) P82350(Mouse) Q5SWB2(Rat)

### Purification&Purity:

ProA affinity purified

### Applications:

WB:1:500-1:2,000

IP:1:50-1:100

IHC:1:50-1:200

### Storage&Stability:

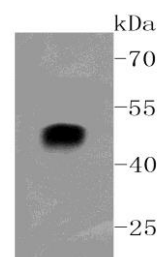
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

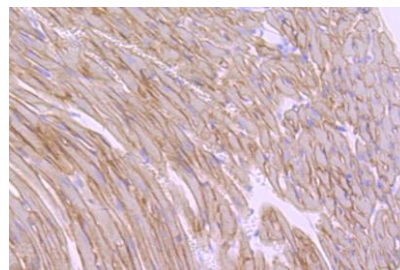
### Specificity:

sarcoglycan  $\alpha$  polyclonal antibody detects endogenous levels of sarcoglycan  $\alpha$  protein.

### DATA:



Western blot analysis of alpha sarcoglycan on rat heart cells lysates using anti-alpha sarcoglycan antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-alpha sarcoglycan antibody. Counter stained with hematoxylin.

### Note:

For research use only, not for use in diagnostic procedure.

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