

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB09349 - Goat Anti-gamma sarcoglycan Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SGCG, sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein), A4, DAGA4, DMDA, DMDA1, LGMD2C, MAM, MGC130048, SCARMD2, SCG3, TYPE, 35kD dystrophin-associated glycoprotein, Maghrebian myopathy (autosomal recessive), OTTHUMP00000018112, gamma sarcoglycan, limb girdle muscular dystrophy 2C (Duchenne-like muscular dystrophy, autosomal recessive), sarcoglycan, gamma (35kD dystrophin-associated glycoprotein)

**Official Symbol:** SGCG

**Accession Number(s):** NP\_000222.1

**Human GeneID(s):** [6445](#)

### Immunogen

Peptide with sequence C-NQQFQINSNDGKP, from the internal region of the protein sequence according to NP\_000222.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:2000.

**Western blot:** Preliminary experiments gave an approx 45kDa band in Human Heart lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 32.4kDa according to NP\_000222.1. The 45kDa band was successfully blocked by incubation with the immunizing peptide. We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

### Species Reactivity

**Tested:**

**Expected from sequence similarity:** Human