

Goat anti-gamma sarcoglycan Antibody

Item Number	dAP-2001
Target Molecule	Principle Name: gamma sarcoglycan; Official Symbol: SGCG; All Names and Symbols: 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); OTTHUMP0000018112; gamma sarcogl; Accession Number (s): NP_000222.1; Human Gene ID(s): 6445; Non-Human GeneID(s):
Immunogen	NQQFQINSNDGKP, is from internal region
Applications	Pep ELISA Species Tested:
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 2000.
Western Blot	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
IHC	
Reference	Reference(s): Rafii MS, Hagiwara H, Mercado ML, Seo NS, Xu T, Dugan T, Owens RT, Hook M, McQuillan DJ, Young MF, Fallon JR, Biglycan binds to alpha- and gamma-sarcoglycan and regulates their expression during development. Journal of cellular physiology 2006 Nov 209 (2): 439-47..PMID: 16883602->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**