

Goat anti-Delta-Sarcoglycan (aa245-257) Antibody

Item Number	dAP-2353
Target Molecule	Principle Name: Delta-Sarcoglycan (aa245-257); Official Symbol: SGCD; All Names and Symbols: SGCD; sarcoglycan, delta (35kDa dystrophin-associated glycoprotein); 35DAG; CMD1L; DAGD; MGC22567; SG-delta; SGCDP; SGD; 35 kDa dystrophin-associated glycoprotein; 35kD dystrophin-associated glycoprotein; delta-SG; delta-sarcoglycan; dystrophin associated; Accession Number (s): NP_000328.2; NP_758447.1; NP_001121681.1; Human Gene ID(s): 6444; Non-Human GeneID(s): 24052 (mouse) 497892 (rat)
Immunogen	RLPHGSYTPTGTR, is from internal region This antibody is expected to recognize isoform 1 (NP_000328.2) and isoform 3 (NP_001121681.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human, Rat
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 16000.
Western Blot	Western Blot: Approx 37kDa band observed in Human and Rat Heart lysates (calculated MW of 32.2kDa according to NP_000328.2). The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 0.1-0.3µg/ml.
IHC	Immunohistochemistry: In paraffin embedded Human Skeletal Muscle shows sarcolemmar staining of the fibres. Recommended concentration, 3-5µg/ml.
Reference	Reference(s): Sharma P, Tran T, Stelmack GL, McNeill K, Gosens R, Mutawe MM, Unruh H, Gerthoffer WT, Halayko AJ, Expression of the dystrophin-glycoprotein complex is a marker for human airway smooth muscle phenotype maturation. American journal of physiology. Lung cellular and molecular physiology

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**