Goat anti-CAV3 Antibody

Item Number	dAP-1783
Target Molecule	Principle Name: CAV3 ; Official Symbol: CAV3; All Names and Symbols: CAV3; caveolin 3; LGMD1C; LQT9; MGC126100; MGC126101; MGC126129; VIP-21; VIP21; M-caveolin; Accession Number (s): NP_203123.1; Human Gene ID(s): 859; Non-Human GeneID(s): 12391 (mouse) 29161 (rat)
Immunogen	EHTDLEAQIVKDIH, is from N Terminus Reported variants represent identical protein (NP_001225.1; NP_203123.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat, Pig
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; Reconsititute 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 4000.
Western Blot	Western Blot: Approx 23kDa band observed in Human, Mouse and Rat Heart lysates and 20kDa in Pig heart and Skeletal Muscle lysates (calculated MW of 17.3kDa according to NP_203123.1). The observed molecular weight corresponds to earlier findings with diff
IHC	Immunohistochemistry: In paraffin embedded Human Skeletal Muscle shows peripheral staining of fibres. Recommended concentration, 3-5µg/ml.
Reference	Reference(s): Fine SW, Lisanti MP, Argani P, Li M. Caveolin-3 is a sensitive and specific marker for rhab-domyosarcoma. Appl Immunohistochem Mol Morphol. 2005 Sep;13(3):231-6..PMID: 16082247->

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