

Goat anti-HMGCR / LDLCQ3 Antibody

Item Number	dAP-1757
Target Molecule	Principle Name: HMGCR / LDLCQ3; Official Symbol: HMGCR; All Names and Symbols: HMGCR; 3-hydroxy-3-methylglutaryl-Coenzyme A reductase; LDLCQ3; 3-hydroxy-3-methylglutaryl CoA reductase (NADPH); hydroxymethylglutaryl-CoA reductase; HMG-CoA reductase; Accession Number (s): NP_000850.1; Human Gene ID(s): 3156; Non-Human GeneID(s):
Immunogen	ADPSPQNSTADTSK , 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 8000.
Western Blot	Western Blot: Preliminary experiments in Human Brain (Cerebellum), Liver, Skeletal Muscle and Adipose lysates gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field -
IHC	
Reference	Reference(s): Hanai J, Cao P, Tanksale P, Imamura S, Koshimizu E, Zhao J, Kishi S, Yamashita M, Phillips PS, Sukhatme VP, Lecker SH. The muscle-specific ubiquitin ligase atrogin-1/MAFbx mediates statin-induced muscle toxicity. J Clin Invest. 2007 Dec;117(12):3940-51..PMID: 17992259->

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**