

## Goat anti-HMGCS1 (aa321-332) Antibody

<b>Item Number</b>	dAP-3330
<b>Target Molecule</b>	Principle Name: HMGCS1 (aa321-332); Official Symbol: HMGCS1; All Names and Symbols: HMGCS1; 3-hydroxy-3-methylglutaryl-CoA synthase 1 (soluble); HMGCS; 3-hydroxy-3-methylglutaryl coenzyme A (HMG-CoA) synthase; 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble); hydroxymethylglutaryl-CoA synthase, cytoplasmic; Accession Number (s): NP_002121.4; Human Gene ID(s): 3157; Non-Human GenelD(s):
<b>Immunogen</b>	KASSELFSQKTK, is from internal region Reported variants represent identical protein: NP_002121.4, NP_001091742.1.
<b>Applications</b>	Pep ELISA, WB Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	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.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 128000.
<b>Western Blot</b>	Western Blot: Approx 57kDa band observed in lysates of cell lines HeLa, HepG2, and K562 (calculated MW of 57.3kDa according to NP_002121.4). Recommended concentration: 1-3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Shafqat N, Turnbull A, Zschocke J, Oppermann U, Yue WW. Crystal structures of human HMG-CoA synthase isoforms provide insights into inherited ketogenesis disorders and inhibitor design. Journal of molecular biology 2010 May 398 (4): 497-506..PMID: 20346956->

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 end users! This product is sold for **Research Use Only**