

Goat anti-SIM1 Antibody

Item Number	dAP-2514
Target Molecule	Principle Name: SIM1; Official Symbol: SIM1; All Names and Symbols: SIM1; single-minded homolog 1 (Drosophila); bHLHe14; OTTHUMP00000016902; class E basic helix-loop-helix protein 14; single-minded homolog 1; Accession Number (s): NP_005059.2; Human Gene ID(s): 6492; Non-Human GeneID(s): 20464 (mouse) 309888 (rat)
Immunogen	SGDRYRTEQYQS, is from internal region
Applications	Pep ELISA, WB Species Tested: Human
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: Approx 80kDa band observed in lysates of cell line HEK293 (calculated MW of 85.5kDa according to NP_005059.2). Recommended concentration: 1-3µg/ml.
IHC	
Reference	Reference(s): Ghossaini M, Stutzmann F, Couturier C, Vatin V, Durand E, Lecoeur C, Degraeve F, Heude B, Tauber M, Hercberg S, Levy-Marchal C, Tounian P, Weill J, Traurig M, Bogardus C, Baier LJ, Michaud JL, Froguel P, Meyre D, Analysis of the SIM1 contribution to polygenic obesity in the French population.

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**