Goat anti-Sirtuin 1 / SIRT1 (aa577-590) Antibody

Item Number	dAP-2348
Target Molecule	Principle Name: Sirtuin 1 / SIRT1 (aa577-590); Official Symbol: SIRT1; All Names and Symbols: SIRT1; sirtuin 1; SIR2L1; NAD-dependent deacetylase sirtuin-1; OTTHUMP00000198111; OT-THUMP00000198112; SIR2-like protein 1; SIR2alpha; hSIR2; hSIRT1; sir2-like 1; sirtuin type 1; Accession Number (s): NP_036370.2; NP_001135970.1; Human Gene ID(s): 23411; Non-Human GeneID(s): 93759 (mouse)
Immunogen	EKPQEVQTSRNVES, is from internal region This antibody is expected to recognize both reported isoforms (NP_036370.2; NP_001135970.1).
Applications	Pep ELISA, WB, IHC 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; 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 64000.
Western Blot	Western Blot: Approx 120kDa band observed in lysates of cell line Jurkat (calculated MW of 81.7kDa according to NP_036370.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Cheng et al, Proc Natl Ac
IHC	Immunohistochemistry: In paraffin embedded Human Skin shows perinuclear staining in select keratinocytes. Recommended concentration, 3-5µg/ml.
Reference	Reference(s): Ponugoti B, Kim DH, Xiao Z, Smith Z, Miao J, Zang M, Wu SY, Chiang CM, Veenstra TD, Kemper JK, SIRT1 deacetylates and inhibits SREBP-1C activity in regulation of hepatic lipid metabolism. The Journal of biological chemistry 2010 Oct 285 (44): 33959-70..PMID: 20817729->

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