

Goat anti-SIRT3 Antibody

Item Number dAP-0714

Target Molecule Principle Name: SIRT3; Official Symbol: SIRT3; All Names and Symbols: SIRT3; sirtuin (silent mating type information regulation 2 homolog) 3 (S. cerevisiae); HGNC:14931; SIR2L3; mitochondrial nicotinamide adenine dinucleotide-dependent deacetylase; silent mating type information regulation 2, S.cerevisiae, homolog 3; sir2-I; Accession Number (s): NP_036371.1, NP_001017524.1; Human Gene ID(s): 23410; Non-Human GenelD(s):

Immunogen QRETGKLDGPDK, is from C Terminus
This antibody is expected to recognize both reported isoforms (NP_036371.1 and NP_001017524.1).

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 128000.

Western Blot Western Blot: Approx 28kDa band observed in Human Liver lysates (calculated MW of 28.6kDa according to NP_001017524.1). Recommended concentration: 0.1-0.3µg/ml.

IHC

Reference Reference(s): Shi T, Wang F, Stieren E, Tong Q. SIRT3, a mitochondrial Sirtuin deacetylase, regulates mitochondrial function and thermogenesis in Brown adipocytes. *J Biol Chem.* 2005 Jan 14; [Epub ahead of print]. PMID: 15653680 ->

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**