



## Goat anti-SIRT4 Antibody

<b>Item Number</b>	dAP-0300
<b>Target Molecule</b>	Principle Name: SIRT4; Official Symbol: SIRT4; All Names and Symbols: SIRT4; SIR2L4; sirtuin (silent mating type information regulation 2 homolog) 4 ( <i>S. cerevisiae</i> ); sirtuin silent mating type information regulation 2 homolog 4 ( <i>S. cerevisiae</i> ); MGC130046; MGC130047; MGC57437; SIR2L4; sirtuin 4; sir2-like 4; sirtuin 4; sirtu; Accession Number (s): NP_036372.1; Human Gene ID(s): 23409; Non-Human GeneID(s): 75387 (mouse)
<b>Immunogen</b>	SRGELLPLIDPC, is from C Terminus
<b>Applications</b>	Pep ELISA, WB, IHC 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 32000.
<b>Western Blot</b>	Western Blot: Approx. 38kDa band observed in Human Kidney lysates (calculated MW of 35.2kDa according to NP_036372.1). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour.
<b>IHC</b>	Immunohistochemistry: In paraffin embedded Skeletal Muscle shows spotty staining of striated fibres in longitudinal section. Recommended concentration: 2-3µg/ml.
<b>Reference</b>	Reference(s): Frye RA. Characterization of five human cDNAs with homology to the yeast SIR2 gene: Sir2-like proteins (sirtuins) metabolize NAD and may have protein ADP-ribosyltransferase activity. Biochem Biophys Res Commun. 1999 Jun 24;260(1):273-9..PMID: 10381378 ->

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**