

## Goat anti-Sirtuin 3 (mouse) Antibody

<b>Item Number</b>	dAP-2387
<b>Target Molecule</b>	Principle Name: Sirtuin 3 (mouse); Official Symbol: Sirt3; All Names and Symbols: Sirt3; sirtuin 3; silent mating type information regulation 2; homolog) 3; 2310003L23Rik; AI848213; Sir2l3; NAD-dependent deacetylase sirtuin-3; OTTMUSP00000027441; OTTMUSP00000027442; OTTMUSP00000027444; OTTMUSP00000027445; SIR2-like protein 3; Accession Number (s): NP_071878.2; NP_001171275.1; Human Gene ID(s): 23410; Non-Human GenelD(s): 64384 (mouse)
<b>Immunogen</b>	RASGIPASKLVEAH, is from internal region This antibody is expected to recognize both reported isoforms (NP_071878.2; NP_001171275.1). Reported variants represent identical proteins: NP_071878.2; NP_001120823.1
<b>Applications</b>	Pep ELISA, WB  Species Tested: Mouse
<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 64000.
<b>Western Blot</b>	Western Blot: Approx 30kDa band observed in Mouse Heart lysates (calculated MW of 28.8kDa according to NP_071878.2). Recommended concentration: 1-3µg/ml. An additional band of unknown identity was also consistently observed at 15kDa. This band was succes
<b>IHC</b>	
<b>Reference</b>	Reference(s): Kong X, Wang R, Xue Y, Liu X, Zhang H, Chen Y, Fang F, Chang Y. Sirtuin 3, a new target of PGC-1alpha, plays an important role in the suppression of ROS and mitochondrial biogenesis. PLoS One. 2010 Jul 22;5(7):e11707.. PMID: 20661474->

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**