

## Product datasheet for **TA318879**

### SIRT4 Rabbit Polyclonal Antibody

#### Product data:

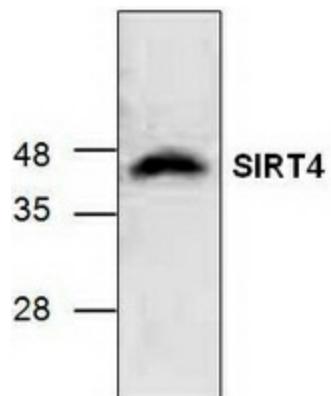
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1-4 ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide surrounding amino acid 72 of rat SIRT4
Formulation:	100 µg (0.5 mg/ml) affinity purified rabbit anti- SIRT3 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	sirtuin 4
Database Link:	<a href="#">NP_036372</a> <a href="#">Entrez Gene 75387 Mouse</a> <a href="#">Entrez Gene 304539 Rat</a> <a href="#">Entrez Gene 23409 Human</a> <a href="#">Q9Y6E7</a>
Background:	Silent information regulator (Sir2)-like family deacetylases (also known as sirtuins) are highly conserved proteins and have important roles in the regulation of metabolism, inflammation, cellular survival growth and differentiation. Sirtuins, including SIRT1-7, are human homologs of yeast Sir2p. Sirtuins are NAD-dependent protein ADP-ribosyl transferase which catalyzes the transfer of ADP-ribosyl groups onto target proteins, including mitochondrial GLUD1. SIRT4 localizes to mitochondria, inhibits glutamate dehydrogenase (GLUD1), and may involve in the regulation of insulin secretion.
Synonyms:	SIR2L4



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Protein Families: Druggable Genome, Transcription Factors

**Product images:**



Western blot analysis of SIRT4 using rat kidney tissue lysate.