

## SIRT4 Polyclonal Antibody

<b>CATALOG NO:</b>	3224-30T	30 µg (Trial size)
	3224-100	100 µg
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 72 of rat SIRT4	
<b>INTERNAL ID#:</b>	BV-J80G	
<b>HOST:</b>	Rabbit	
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat	

### FORMULATION:

0.5 mg/ml affinity purified rabbit anti- SIRT4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA, 5 mM EDTA and 0.03 %, ProClin®

### STORAGE CONDITIONS:

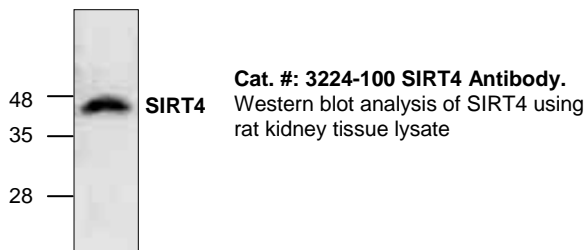
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

### DESCRIPTION:

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.

### APPLICATION AND USAGE:

The antibody can be used in Western Blot analysis (1-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide (Cat.# 3224BP-50) is available separately.



**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

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- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

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- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
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- DNA Damage Quantification Kit
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