

Datasheet for ABIN783612
anti-SIRT4 antibody (N-Term)



[Go to Product page](#)

1 Image

Overview

Quantity:	0.1 mg
Target:	SIRT4
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This SIRT4 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	17 amino acid peptide near the amino terminus of human SIRT4
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	SIRT4
Alternative Name:	SIRT4 (SIRT4 Products)
Background:	The Silent Information Regulator (SIR2) family of genes are highly conserved from prokaryotes to eukaryotes and have important functions in the regulation of metabolism, growth and differentiation, inflammation, cellular survival, as well as in senescence and lifespan extension. Sirtuins, including SIRT1-7, are human homologs of yeast Sir2p. Sirtuins are NAD⁺-dependent

Target Details

histone/protein deacetylases (HDAC) which regulate cellular metabolism, e.g. energy metabolism, and thereby are associated with aging and several age-related diseases. SIRT4 localizes to mitochondria, inhibits glutamate dehydrogenase, and is thought to be involved in the regulation of insulin secretion. Synonyms: NAD-Dependent ADP-Ribosyltransferase Sirtuin-4, SIR2-like 4, SIR2L4, SIRT-4, sirtuin (silent mating type information regulation 2 homolog) 4 (S. cerevisiae), sirtuin 4, sirtuin type 4, sirtuin-4

Gene ID: 23409

NCBI Accession: [NP_036372](#)

UniProt: [Q9Y6E7](#)

Pathways: [Negative Regulation of Hormone Secretion](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % sodium azide

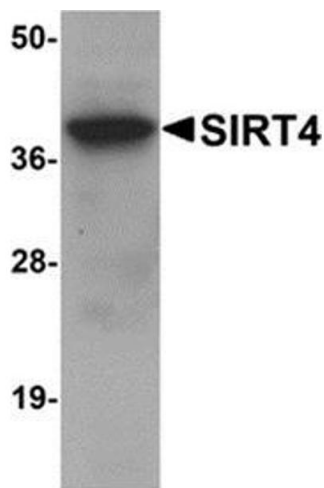
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.



Western Blotting

Image 1. Western blot analysis of SIRT4 in human liver tissue lysate with SIRT4 antibody at 1 µg/ml.