



Sirtuin 1 Antibody [SR128-6AG]

CATALOG NUMBER: 36-083

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	ELISA: (direct and indirect: 1:2,000-1:5,000). Western Blot: (1:2,000-1:5,000 using ECL. Suggested blocking and dilution buffer is PBST containing 0.05% Tween 20 and 5% skim milk. Suggested incubation time is 1 hour at room temperature). Optimal conditions must be determined individually for each application.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	Recognizes human sirtuin 1. Detects a band of ~78kDa by Western blot.
IMMUNOGEN:	Recombinant human sirtuin 1.
HOST SPECIES:	Mouse

Properties

PHYSICAL STATE:	Liquid
BUFFER:	Liquid. 0.2um-filtered solution in PBS, pH 7.4. Contains no preservatives.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	Stable for at least 1 year after receipt when stored at -20°C.
CLONALITY:	Monoclonal
ISOTYPE:	IgG1, kappa
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	SIRT1; NAD-dependent Deacetylase Sirtuin-1; SIR2-like Protein 1; SIR2L1
ACCESSION NO.:	NP_001135970.1
PROTEIN GI NO.:	7657575
OFFICIAL SYMBOL:	SIRT1
GENE ID:	23411

Background

BACKGROUND:	Sirtuin-1 is a NAD-dependent protein deacetylase, which regulates processes such as apoptosis and muscle differentiation by deacetylating key proteins. Sirtuin-1 emerged as critical regulator of longevity and aging in several model organisms. Furthermore, a variety of age-associated diseases such as type 2 diabetes, obesity, osteoporosis, and Alzheimer's disease are associated with sirtuins. Sirtuin-1 has been suggested as potential biomarker for tumorigenesis.
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