antibodies - online.com







anti-SIRT1 antibody (AA 456-555)



Images

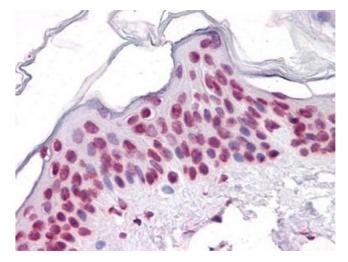


Overview

Quantity:	50 μg
Target:	SIRT1
Binding Specificity:	AA 456-555
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SIRT1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	Recombinant protein, SIRT1 (AAH12499, 456 a.a. ~ 555 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. Genename: SIRT1
Clone:	7B7
Isotype:	lgG1
Specificity:	
,	This antibody reacts to Sirtuin-1 (SIRT1).
Purification:	This antibody reacts to Sirtuin-1 (SIRT1). Protein A Chromatography

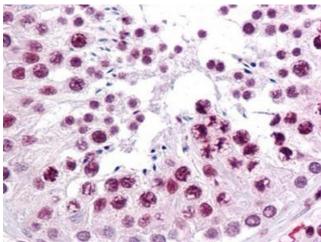
Target Details

Alternative Name:	SIRT1 (SIRT1 Products)
Background:	The SIRT family of genes are highly conserved from prokaryotes to eukaryotes and are involved in diverse processes including transcriptional regulation, cell cycle progression, DNA damage repair and aging. Sirtuins utilize NAD+ as a substrate to catalyze deacetylation of specific acetylated protein and histones. SIRT1 has been shown to be induced by caloric restriction (CR) in several tissues and SIRT1 mediated deacetylase activity attenuates B-amyloid content in the brain during CR. SIRT1 also regulates the p53-dependent DNA damage response pathway by binding to and deacetylating p53.Synonyms: NAD-dependent deacetylase sirtuin-1, S. cerevisiae, SIR2-like protein 1, SIR2L1, SIR2alpha, SIRT-1, homolog) 1, sirtuin (silent mating type information regulation 2, sirtuin 1, sirtuin type 1, sirtuin-1
Gene ID:	23411
NCBI Accession:	NP_001135970
UniProt:	Q96EB6
Pathways:	MAPK Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Carbohydrate Homeostasis, Positive Regulation of Endopeptidase Activity, Regulation of Carbohydrate Metabolic Process, Positive Regulation of Response to DNA Damage Stimulus, Negative Regulation of intrinsic apoptotic Signaling
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Buffer:	PBS, pH 7.2
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



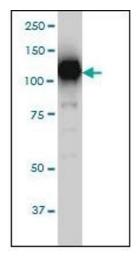
Immunohistochemistry

Image 1.



Immunohistochemistry

Image 2.



Western Blotting

Image 3.

Please check the product details page for more images. Overall 5 images are available for ABIN614713.