

SIRT6 Antibody

Catalog No: #25126

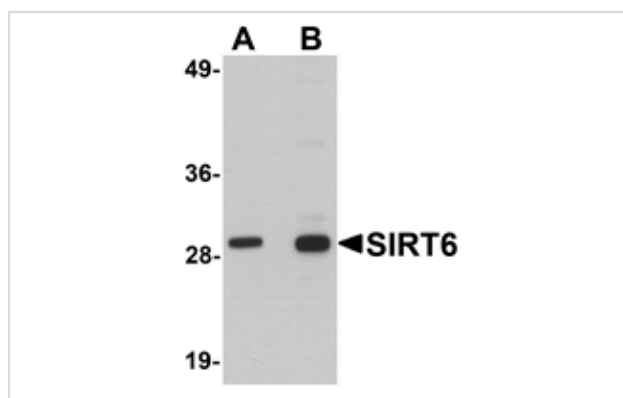
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Description

Product Name	SIRT6 Antibody
Host Species	Chicken
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA WB
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide
Immunogen Description	Raised against a 17 amino acid peptide near the carboxy terminus of human SIRT6.
Target Name	SIRT6
Other Names	Sirtuin 6, NAD-dependent deacetylase sirtuin-6, SIR2L6
Accession No.	Swiss-Prot:Q8N6T7 Gene ID:51548
Uniprot	Q8N6T7
GeneID	51548;
Concentration	1mg/ml
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Images



Western blot analysis of SIRT6 in HeLa cell lysate with SIRT6 antibody at (A) 0.5 and (B) 1 ug/mL.

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 histone/protein deacetylases (HDAC) which regulate cellular metabolism, e.g. energy metabolism, and thereby are associated with aging and several age-related diseases. SIRT6 is a histone H3 lysine 9 deacetylase and is thought to stabilize the DNA-dependent protein kinase at double-stranded DNA breaks and may have a role in the process of mammalian aging.

Note: This product is for in vitro research use only